

Seq ID No.

5 Ad1 -----MVD T VNSYNTATGL TSALNLPQVS T FVNNWANLG MWWFSIALMF
6 Ad2 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
7 Ad5 -----MTN TTNAAAATGL TSTTNTPOVS AFVNNWDNLG MWWFSIALMF
8 Ad6 -----MVD T VNSYNTATGL TSALNLPQVH AFVNDWASLG MWWFSIALMF
9 dl716 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
10 dl715 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
11 dl714 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
12 dl737 MTGSTIAPTT DYRNTTATGL TSALNLPQ-----IALMF

5 Ad1 VCLIIMWLSC CLKRRRARPP IYKPIIVLNP NNDGIHRLDG LNTCSFSFAV -
6 Ad2 VCLIIMWLIC CLKRRRARPP IYRPIIVLNP HNEKIHLRDLG LKPCSLLLQY D
7 Ad5 VCLIIMWLIC CLKRRRARPP IYSPPIVLNP NNDGIHRLDG LKHMFFSLTV -
8 Ad6 VCLIIMWLIC CLKRRRARPP IYRPIIVLNP HNEKIHLRDLG LKPCSLLLQY D
9 dl716 VCLIIMWLIC CLKRRRARPP IYRPIIVL-----G LKPCSLLLQY D
10 dl715 VCLIIMWLIC CLKRRRARPP IYRPI-----SLLLQY D
11 dl714 VCLIIMWLIC CLKRRRARPP -----HNEKIHLRDLG LKPCSLLLQY D
12 dl737 VCLIIMWLIC CLKRRRARPP IYRPIIVLNP HNEKIHLRDLG LKPCSLLLQY D

Seq. ID No.

17 aa 1-40 of Ad2 ADP MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD
18 aa 41-59 of Ad2 ADP MWWFSIALMF VCLIIMWLI
19 aa 63-70 of Ad2 ADP KRRRARPP
20 aa 60-101 of Ad2 ADP C CLKRRRARPP IYRPIIVLNP HNEKIHLRDLG LKPCSLLLQY D

FIGURE 20

LOCUS ad5 comple 35935 bp DNA SYN
 DEFINITION ad5 complete genome
 ACCESSION ad5 comple
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown
 Unclassified.
 REFERENCE 1 (bases 1 to 35935)
 AUTHORS Self
 JOURNAL Unpublished.
 BASE COUNT 8367 a 10073 c 9761 g 7734 t
 ORIGIN

06-FEB-1999

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1 CATCATCAAT AATATACCTT ATTTTGGATT GAAGCCAATA TGATAATGAG GGGGTGGAGT
61 TTGTGACGTG GCGCGGGGCG TGGGAACGGG GCGGGTGACG TAGTAGTGTG GCGGAAGTGT
121 GATGTTGCAA GTGTGGCGGA ACACATGTAA GCGACGGATG TGGCAAAAGT GACGTTTTTG
181 GTGTGCGCCG GTGTACACAG GAAGTGACAA TTTTCGCGCG GTTTTAGGCG GATGTTGTAG
241 TAAATTTGGG CGTAACCGAG TAAGATTTGG CCATTTTCGC GGGAAACTG AATAAGAGGA
301 AGTGAAATCT GAATAATTTT GTGTTACTCA TAGCGCGTAA TATTTGTCTA GGGCCGCGGG
361 GACTTTGACC GTTTACGTGG AGACTCGCCC AGGTGTTTTT CTCAGGTGTT TTCCGCGTTC
421 CGGGTCAAAG TTGGCGTTTT ATTATTATAG TCAGCTGACG TGTAGTGTAT TTATACCCGG
481 TGAGTTCCTC AAGAGGCCAC TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
541 TCCGACACCG GGAAGGAAAA TGAGACATAT TATCTGCCAC GGAGGTGTTA TTACCGAAGA
601 AATGGCCGCC AGTCTTTTGG ACCAGCTGAT CGAAGAGGTA CTGGCTGATA ATCTTCCACC
661 TCCTAGCCAT TTTGAACCAC CTACCCTTCA CGAACTGTAT GATTTAGACG TGACGGCCCC
721 CGAAGATCCC AACGAGGAGG CGGTTTCGCA GATTTTCCC GGTCTCCCG AGCCGCTCA
781 GCAGGAAGGG ATTGACTTAC TCACTTTTCC GCCGCGCCC GGTCTCCCG CTATGCCAAA
841 CCTTTCCCG CAGCCCGAGC AGCCGGAGCA GAGAGCCTTG GGTCCGTTT CTATGCCAAA
901 CCTTGATCCG GAGGTGATCG ATCTTACCTG CCACGAGGCT GGCTTTCCAC CCAGTGACGA
961 CGAGGATGAA GAGGTGAGG AGTTTGTGTT AGATTATGTG GAGCACCCTG GGCACGGTTG
1021 CAGGTCTTGT CATTATCACC GGAGGAATAC GGGGGACCCA GATATTATGT GTTCGCTTTG
1081 CTATATGAGG ACCTGTGGCA TGTTTGTCTA CAGTAAGTGA AAATTATGGG CAGTGGGTGA
1141 TAGAGTGGTG GGTGTGGTGT GGTAAATTTT TTTTAAATTT TTACAGTTTT GTGGTTTAAA
1201 GAATTTTGTA TTGTGATTTT TTTAAAGGT CCTGTGCTG AACCTGAGCC TGAGCCCGAG
1261 CCAGAACCGG AGCCTGCAAG ACCTACCCGC CGTCTAATAA TGCGCCTGC TATCCTGAGA
1321 CGCCCGACAT CACCTGTGTC TAGAGAATGC AATAGTAGTA CGGATAGCTG TGACTCCGGT
1381 CCTTCTAACA CACCTCCTGA GATACACCCG GTGGTCCCGC TGTGCCCCAT TAAACCAAGT
1441 GCCGTGAGAG TTGGTGGGCG TCGCCAGGCT GTGGAATGTA TCGAGGACTT GCTTAACGAG
1501 CCTGGGCAAC CTTTGGACTT GAGCTGTAAA CGCCCCAGGC CATAAGGTGT AAACCTGTGA
1561 TTGCGTGTGT GGTAAACGCC TTTGTTTGCT GAATGAGTTG ATGTAAGTTT AATAAAGGT
1621 GAGATAATGT TTAACCTGCA TGGCGTGTTA AATGGGGCGG GGCTTAAAGG GTATATAATG
1681 CGCCGTGGGC TAATCTTGGT TACATCTGAC CTCATGGAGG CTTGGGAGTG TTTGGAAGAT
1741 TTTCTGCTG TGCGTAACTT GCTGGAACAG AGCTCTAACA GTACCTCTTG GTTTTGGAGG
1801 TTTCTGTGGG GCTCATCCCA GGCAAAGTTA GTCTGCAGAA TTAAGGAGGA TTACAAGTGG
1861 GAATTTGAAG AGCTTTTGAA ATCCTGTGGT GAGCTGTTT GAGCTGTTT TTTCCACACC GGGCGCGCT
1921 CAGGCGCTTT TCCAAGAGAA GGTATCAAG ACTTTGGATT TTTCCACACC GGGCGCGCT
1981 GCGGCTGCTG TTGCTTTTTT GAGTTTTATA AAGGATAAAT GGAGCGAAGA AACCCATCTG
2041 AGCGGGGGGT ACCTGCTGGA TTTTCTGGCC ATGCATCTGT GGAGAGCGGT TGTGAGACAC
2101 AAGAATCGCC TGCTACTGTT GTCTTCCGTC CGCCCGGCGA TAATACCGAC GGAGGAGCAG
2161 CAGCAGCAGC AGGAGGAAGC CAGGCGGCGG CGGCAGGAGC AGAGCCCATG GAACCCGAGA
2221 GCCGCTGCTG ACCCTCGGGA ATGAATGTTG TACAGGTGGC GGGGGTAAAG AGGGAGCGGG
2281 GACGCATTTT GACAATTACA GAGGATGGGC AGGGGCTAAA TAGCTTAATG ACCAGACACC
2341 GGGCTGTGTA GGCTACAGAG GAGGCTAGGA ATCTAGCTTT TAGCTTAATG ACCAGACACC
2401 GTCCTGAGTG TATTACTTTT CAACAGATCA AGGATAATTG CGCTAATGAG CTTGATCTGC
2461 TGGCGCAGAA GTATTCCATA GAGCAGCTGA CCACTTACTG GCTGCAGCCA GGGGATGATT
2521 TTGAGGAGGC TATTAGGGTA TATGCAAAGG TGGCACTTAG GCCAGATTGC AAGTACAAGA
2581 TCAGCAAAC TGTAAATATC AGGAATTGTT GCTACATTTT TGGGAACGGG GCGGAGGTGG
2641 AGATAGATAC GGAGGATAGG GTGGCCTTTA GATGTAGCAT GATAAATATG TGGCCGGGGG
  
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FIGURE 21
(SHEET 1)

2701 TGCTTGGCAT GGACGGGGTG GTTATTATGA ATGTAAGGTT TACTGGCCCC AATTTTAGCG
 2761 GTACGGTTTT CCTGGCCAAT ACCAACCTTA TCCTACACGG TGTAAGCTTC TATGGGTTTA
 2821 ACAATACCTG TGTGGAAGCC TGGACCGATG TAAGGGTTTC GGGCTGTGCC TTTTACTGCT
 2881 GCTGGAAGGG GGTGGTGTGT CGCCCCAAAA GCAGGGCTTC AATTAAGAAA TGCCTCTTTG
 2941 AAAGGTGTAC CTTGGGTATC CTGTCTGAGG GTAACCTCAG GGTGCGCCAC AATGTGGCCT
 3001 CCGACTGTGG TTGCTTCATG CTAGTGAAAA GCGTGGCTGT GATTAAGCAT AACATGGTAT
 3061 GTGGCAACTG CGAGGACAGG GCCTCTCAGA TGCTGACCTG CTCGGACGGC AACTGTCACC
 3121 TGCTGAAGAC CATTACGTA GCCAGCCACT CTCGCAAGGC CTGGCCAGTG TTTGAGCATA
 3181 ACATACTGAC CCGCTGTTCC TTGCATTTGG GTAACAGGAG GGGGGTGTTC CTACCTTACC
 3241 AATGCAATTT GAGTCACACT AAGATATTGC TTGAGCCCGA GAGCATGTCC AAGGTGAACC
 3301 TGAACGGGGT GTTTGACATG ACCATGAAGA TCTGGAAGGT GCTGAGGTAC GATGAGACCC
 3361 GCACCAGGTG CAGACCCTGC GAGTGTGGCG GTAAACATAT TAGGAACCAG CCTGTGATGC
 3421 TGGATGTGAC CGAGGAGCTG AGGCCCGATC ACTTGGTGTCT GGCCTGCACC CGCGCTGAGT
 3481 TTGGCTCTAG CGATGAAGAT ACAGATTGAG GTACTGAAAT GTGTGGGCGT GGCTTAAGGG
 3541 TGGGAAAGAA TATATAAGGT GGGGGTCTTA TGTAAGTTTG TATCTGTTTT GCAGCAGCCG
 3601 CCGCCGCCAT GAGCACCAAC TCGTTTGATG GAAGCATTGT GAGCTCATAT TTGACAACGC
 3661 GCATGCCCCC ATGGGCGGG GTGCGTCAGA ATGTGATGGG CTCCAGCATT GATGGTCGCC
 3721 CCGTCCTGCC CGCAAACCTCT ACTACCTTGA CCTACGAGAC CGTGTCTGGA ACGCCGTTGG
 3781 AGACTGCAGC CTCCGCCGCC GCTTCAGCCG CTGCAGCCAC CGCCCGCGGG ATTGTGACTG
 3841 ACTTTGCTTT CCTGAGCCCG CTTGCAAGCA GTGCAGCTTC CCGTTCATCC GCCCGCGATG
 3901 ACAAGTTGAC GGCTCTTTTG GCACAATTGG ATTCTTTGAC CCGGGAACCT AATGTCGTTT
 3961 CTCAGCAGCT GTTGGATCTG CGCCAGCAGG TTTCTGCCCT GAAGGCTTCC TCCCCTCCCA
 4021 ATGCGGTTTA AAACATAAAT AAAAAACCAG ACTCTGTTTG GATTGGATC AAGCAAGTGT
 4081 CTTGCTGTCT TTATTTAGGG GTTTTGCGCG CGCGGTAGGC CCGGACCAG CCGTCTCGGT
 4141 CGTTGAGGGT CCTGTGTATT TTTTCCAGGA CGTGGTAAAG GTGACTCTGG ATGTTTCAGAT
 4201 ACATGGGCAT AAGCCCGTCT CTGGGGTGGG GGTAGCACCA CTGCAGAGCT TCATGCTGCG
 4261 GGGTGGTGTT GTAGATGATC CAGTCGTAGC AGGAGCGCTG GCGGTGGTGC CTAATAATGT
 4321 CTTTCAGTAG CAAGCTGATT GCCAGGGGCA GGCCCTTGGT GTAAGTGTTT ACAAAGCGGT
 4381 TAAGCTGGGA TGGGTGCATA CGTGGGGATA TGAGATGCAT CTTGGACTGT ATTTTLAGGT
 4441 TGGCTATGTT CCCAGCCATA TCCCTCCGGG GATTTCATGT GTGCAGAACC ACCAGCACAG
 4501 TGTATCCGGT GCACTTGGGA AATTGTGCAT GTAGCTTAGA AGGAAATGCG TGGAAGAACT
 4561 TGGAGACGCC CTTGTGACCT CCAAGATTTT CCATGCATTC GTCCATAATG ATGGCAATGG
 4621 GCCACGGGGC GGCGGCCTGG GCGAAGATAT TTCTGGGATC ACTAACGTGA TAGTGTGTT
 4681 CCAGGATGAG ATCGTCATAG GCCATTTTTA CAAAGCGCGG GCGGAGGGTG CCAGACTGCG
 4741 GTATAATGGT TCCATCCGGC CCAGGGCGCT AGTTACCCTC ACAGATTTGC ATTTCCACAG
 4801 CTTTGAATTC AGATGGGGG ATCATGTCTA CCTGCGGGGC GATGAAGAAA ACGGTTTCCG
 4861 GGGTAGGGGA GATCAGCTGG GAAGAAAGCA GGTTCCTGAG CAGCTGCGAC TTACCGCAGC
 4921 CGGTGGGCCC GTAAATCACA CCTATTACCG GGTGCAACTG GTAGTTAAGA GAGCTGCAGC
 4981 TGCCGTCATC CCTGAGCAGG GGGGCCACTT CGTTAAGCAT GTCCCTGACT CGCATGTTTT
 5041 CCCTGACCAA ATCCGCCAGA AGGCGCTCGC CGCCAGCGA TAGCAGTTCT TGCAAGGAAG
 5101 CAAAGTTTTT CAACGGTTTG AGACCGTCCG CCGTAGGCAT GCTTTTGAGC GTTTGACCAA
 5161 GCAGTCCAG GCGGTCCCAC AGCTCGGTCA CCTGCTCTAC GGCATCTCGA TCCAGCATAT
 5221 CTCTCGTTT CGCGGGTTGG GGCGGCTTTC GCTGTACGGC AGTAGTCGGT GCTCGTCCAG
 5281 ACGGGCCAGG GTCATGTCTT TCCACGGGCG CAGGGTCCTC GTCAGCGTAG TCTGGGTAC
 5341 GGTGAAGGGG TGCGCTCCGG GCTCGCGCTG GGCCAGGGTG CGCTTGAGGC TGGTCTGCT
 5401 GGTGCTGAAG CGCTGCCGGT CTTCCGCCCTG CGCGTCCGCC AGGTAGCATT TGACCATGGT
 5461 GTCATAGTCC AGCCCTCCG CGGCGTGGCC CTTGGCGCGC AGCTTGCCCT TGGAGGAGGC
 5521 GCCGCACGAG GGGCAGTGCA GACTTTTGAG GCGGTAGAGC TTGGGCGCGA GAAATACCGA
 5581 TTCCGGGGAG TAGGCATCCG CGCCGACAGC CCCGACAGC GTCTCGCATT CCACGAGCCA
 5641 GGTGAGCTCT GGCGGTTCGG GGTCAAAAAC CAGGTTTCCC CCATGCTTTT TGATGCGTTT
 5701 CTTACCTCTG GTTTCCATGA GCCGGTGTCC ACGCTCGGTG ACGAAAAGGC TGTCCGTGTC
 5761 CCCGTATACA GACTTGAGAG GCCTGTCCTC GAGCGGTGTT CCGCGGTCTC CCTCGTATAG
 5821 AAACCTCGGAC CACTCTGAGA CAAAGGCTCG CGTCCAGGCC AGCACGAAGG AGGCTAAGTG
 5881 GGAGGGGTAG CGGTCTGTGT CCACTAGGGG GTCCACTCGC TCCAGGGTGT GAAGACACAT
 5941 TGCGCCCTCT TCGGCATCAA GGAAGGTGAT TGGTTTGTAG GTGTAGGCCA CGTGACCGGG
 6001 GTTTCCTGAA GGGGGGCTAT AAAAGGGGGT GGGGGCGCGT TCGTCTCAC TCTCTCCCGC
 6061 ATCGCTGTCT GCGAGGGCCA GCTGTTGGGG TGAGTACTCC CTCTGAAAAG CCGGCATGAC

FIGURE 21
(SHEET 2)

6121 TTCTGCGCTA AGATTGTCAG TTTCCAAAAA CGAGGAGGAT TTGATATTCA CCTGGCCCCG
6181 GGTGATGCCT TTGAGGGTGG CCGCATCCAT CTGGTCAGAA AAGACAATCT TTTTGTGTGTC
6241 AAGCTTGGTG GCAAACGACC CGTAGAGGGC GTTGACAGC AACTTGGCGA TGGAGCGCAG
6301 GGTTTGGTTT TTGTCGCGAT CGGCGCGCTC CTTGGCCGCG ATGTTTAGCT GCACGTATTC
6361 GCGCGCAACG CACCGCCATT CGGGAAAGAC GGTGGTGC GC TCGTCGGGCA CCAGGTGCAC
6421 GCGCCAACCG CGGTTGTGCA GGGTGACAAG GTCAACGCTG GTGGCTACCT CTCCGCGTAG
6481 GCGCTCGTTG GTCCAGCAGA GCGGCGCGCC CTTGCGCGAG CAGAATGGCG GTAGGGGGTTC
6541 TAGCTGCGTC TCGTCCGGGG GGTCTGCGTC CACGGTAAAG ACCCCGGGCA GCAGGCGCGC
6601 GTCGAAGTAG TCTATCTTGC ATCCTTGCAA GTCTAGCGCC TGCTGCCATG CGCGGGCGGC
6661 AAGCGCGCGC TCGTATGGGT TGAGTGGGGG ACCCATGGC ATGGGGTGGG TGAGCGCGGA
6721 GCGTACATG CCGCAAATGT CGTAAACGTA GAGGGGCTCT CTGAGTATTC CAAGATATGT
6781 AGGGTAGCAT CTTCCACCGC GGATGCTGGC GCGCACGTAA TCGTATAGTT CGTGCGAGGG
6841 AGCGAGGAGG TCGGGACCGA GGTGCTACG GCGGGGCTGC TCTGCTCGGA AGACTATCTG
6901 CCTGAAGATG GCATGTGAGT TGGATGATAT GGTGACGC TGGAAGACGT TGAAGCTGGC
6961 GTCTGTGAGA CCTACCGCGT CACGCACGAA GGAGGCGTAG GAGTCGCGCA GCTTGTGAC
7021 CAGCTCGGCG GTGACCTGCA CGTCTAGGGC GCAGTAGTCC AGGGTTTCTT TGATGATGTC
7081 ATACTTATCC TGTCCCTTTT TTTTCCACAG CTCGCGGTTG AGGACAAACT CTTGCGGGTC
7141 TTTCCAGTAC TCTTGGATCG GAAACCCGTC GGCCTCCGAA CGGTAAGAGC CTAGCATGTA
7201 GAACTGGTTG ACGGCCTGGT AGGCGCAGCA TCCCTTTTCT ACGGGTAGCG CGTATGCCTG
7261 CGCGGCCTTC CGGAGCGAGG TGTGGGTGAG CGCAAAGGTG TCCCTGACCA TGACTTTGAG
7321 GTACTGGTAT TTGAAGTCAG TGTCGTCGCA TCCGCCCTGC TCCAGAGCA AAAATCCGT
7381 GCGCTTTTGG GAACGCGGAT TTGGCAGGGC GAAGGTGACA TCGTTGAAGA GTATCTTTCC
7441 CGCGCGAGGC ATAAAGTTGC GTGTGATGCG GAAGGGTCCC GGCACCTCGG AACGGTTGTT
7501 AATTACCTGG GCGGCGAGCA CGATCTCGTC AAAGCCGTTG ATGTTGTGGC CCACAATGTA
7561 AAGTTCCAAG AAGCGCGGGA TGCCCTTGAT GGAAGGCAAT TTTTAAAGTT CCTCGTAGGT
7621 GAGCTCTTCA GGGGAGCTGA GCCCGTGCTC TGAAAGGGCC CAGTCTGCAA GATGAGGGTT
7681 GGAAGCGACG AATGAGCTCC ACAGGTCACG GGCCATTAGC ATTTGCAGGT GGTGCGGAAA
7741 GGTCTTAAAC TGGCGACCTA TGGCCATTTT TTCTGGGGTG ATGCAGTAGA AGGTAAGCGG
7801 GTCTTGTTCC CAGCGGTCCC ATCCAAGGTT CGCGGCTAGG TCTCGCGCGG CAGTCACTAG
7861 AGGCTCATCT CCGCCGAAC TATGACCAG CATGAAGGGC ACGAGCTGCT TCCCAAAGGC
7921 CCCCATCCAA GTATAGGTCT CTACATCGTA GGTGACAAAG AGACGCTCGG TGCGAGGATG
7981 CGAGCCGATC GGGAAGAACT GGATCTCCCG CCACCAATTG GAGGAGTGCG TATTGATGTG
8041 GTGAAAGTAG AAGTCCCTGC GACGGGCCGA ACACTCGTGC TGGCTTTTGT AAAAAGTGC
8101 GCAGTACTGG CAGCGGTGCA CGGGCTGTAC ATCTGACAG AGGTTGACCT GACGACCGCG
8161 CACAAGGAAG CAGAGTGGA ATTGAGCCC CTCGCCGTTG GGGTTTGGCT GGTGGTCTTC
8221 TACTTCCGCT GCTTGTCTT GACCGTCTGG CTGCTCGAGG GGAGTTACGG TGGATCGGAC
8281 CACCACGCCG CGCGAGCCCA AAGTCCAGAT GTCCGCGCGC GGCGGTCGGA GCTTGATGAC
8341 AACATCGCGC AGATGGGAGC TGTCATGGT CTGGAGCTCC CGCGGCGTCA GGTCAGGCGG
8401 GAGCTCCTGC AGGTTTACCT CGCATAGACG GGTGAGGGCG CGGGCTAGAT CCAGGTGATA
8461 CCTAATTTCC AGGGGCTGGT TGGTGGCGGC GTGATGGCT TGCAAGAGGC CGCATCCCCG
8521 CGGCGCGACT ACGGTACCGC GCGGCGGGCG GTGGGCGCG GGGGTGTCCT TGGATGATGC
8581 ATCTAAAAGC GGTGACGCGG GCGAGCCCCG GGAGGTAGGG GGGGCTCCGG ACCGCGCGGG
8641 AGAGGGGGCA GGGGCACGTC GGCGCCGCGC GCGGGCAGGA GCTGGTGCTG CGCGCTAGG
8701 TTGCTGGCGA ACGCGACGAC GCGGCGGTTG ATCTCCTGAA GAGAGTTGGA CAGAATCAAT TTCGGTGTGC
8761 ACGACGGGGC CGGTGAGCTT GAGCCTGAAA GAGAGTTGGA CAGAATCAAT TTCGGTGTGC
8821 TTGACGGCGG CCTGGCGCAA AATCTCCTGC ACGTCTCCTG AGTTGTCTTG ATAGGCGATC
8881 TCGGCCATGA ACTGCTCGAT CTCTTCTCTC TGGAGATCTC CGCGTCCGGC TCGCTCCACG
8941 GTGGCGGCGA GGTGCTTGGA AATGCGGGCC ATGAGCTGCG AGAAGGCGTT GAGGCTCCC
9001 TCGTTCCAGA CGCGGCTGTA GACCACGCCC CCTTCGGCAT CGCGGGCGCG CATGACCACC
9061 TGCGCGAGAT TGAGCTCCAC GTGCCGGGCG AAGACGGCGT AGTTTCGAG GCGCTGAAAG
9121 AGGTAGTTGA GGGTGGTGGC GGTGTGTTCT GCCACGAAGA AGTACATAAC CCAGCGTCGC
9181 AACGTGGATT CGTTGATATC CCCCAGGCC TCAAGGCGCT CCATGGCCTC GTAGAAGTCC
9241 ACGGCGAAGT TGAAAACTG GGAGTTGCGC GCCGACACGG TTAATCCTC CTCAGAAGA
9301 CGGATGAGCT CGGCGACAGT GTCGCGCACC TCGCGCTCAA AGGCTACAGG GGCCTCTTCT
9361 TCTTCTTCAA TCTCCTTTC CATAAGGGCC TCCCTTCTT CTTCTTCTGG CGGCGGTGGG
9421 GGAGGGGGGA CACGGCGGCG ACGACGCGC ACCGGGAGGC GGTGACAAA GCGCTCGATC
9481 ATCTCCCCGC GCGACGGCG CATGGTCTCG GTGACGGCGC GGCCGTCTCT GCGGGGGCGC

FIGURE 21
(SHEET 3)

9541 AGTTGGAAGA CGCCGCCCGT CATGTCCCGG TTATGGGTTG GCGGGGGGCT GCCATGCGGC
 9601 AGGGATACGG CGCTAACGAT GCATCTCAAC AATTGTTGTG TAGGTACTCC GCCGCCGAGG
 9661 GACCTGAGCG AGTCCGCATC GACCCGATCG GAAAACCTCT CGAGAAAGGC GTCTAACCAG
 9721 TCACAGTCGC AAGGTAGGCT GAGCACCGTG GCGGGCGGCA GCGGGCGGCG GTCGGGGTTG
 9781 TTTCTGGCGG AGGTGCTGCT GATGATGTAA TTAAAGTAGG CGGTCTTGAG ACGGCGGATG
 9841 GTCGACAGAA GCACCATGTC CTTGGGTCCG GCCTGCTGAA TGCGCAGGCG GTCGGCCATG
 9901 CCCCAGGCTT CGTTTTGACA TCGGCGCAGG TCTTTGTAGT AGTCTTGATG GAGCCTTTCT
 9961 ACCGGCACTT CTTCTTCTCC TTCCTCTTGT CCTGCATCTC TTGCATCTAT CGCTGCGGCG
 10021 GCGGCGGAGT TTGGCCGTAG GTGGCGCCCT CTTCCTCCCA TGCCTGTGAC CCCGAAGCCC
 10081 CTCATCGGCT GAAGCAGGGC TAGGTGCGCG ACAACGCGCT CGGCTAATAT GGCCTGCTGC
 10141 ACCTGCGTGA GGGTAGACTG GAAGTCATCC ATGTCCACAA AGCGGTGGTA TGCGCCCGTG
 10201 TTGATGGTGT AAGTGCACTT GGCCATAACG GACCAGTTAA CGGTCTGGTG ACCCGGCTGC
 10261 GAGAGCTCGG TGTACCTGAG ACGCGAGTAA GCCCTCGAGT CAAATACGTA GTCGTGCGAA
 10321 GTCCGCACCA GGTACTGGTA TCCCACCAAA AAGTGCAGCG GCGGTGCGCG GTAGCGGGG
 10381 CAGCGTAGGG TGGCCGGGGC TCCGGCGGCG AGATCTTCCA ACATAAGGCG ATGATATCCG
 10441 TAGCATGACC TGGACATCCA GGTGATGCCG GCGGCGGTGG TGGAGGCGCG CGGAAAGTCG
 10501 CCGACGCGGT TCCAGATGTT GCGCAGCGGC AAAAAGTGCT CCATGGTCCG GACGCTCTGG
 10561 CCGGTCAGGC GCGCGCAATC GTTGACGCTC TAGACCGTGC AAAAGGAGAG CCTGTAAGCG
 10621 GGCACTCTTC CGTGGTCTGG TGGATAAATT CGCAAGGGTA TCATGGCGGA CGACCGGGGT
 10681 TCGAGCCCCG TATCCGGCCG TCCGCCGTGA TCCATGCGGT TACCGCCCCG GTGTCGAACC
 10741 CAGGTGTGCG ACGTCAGACA ACGGGGGAGT GCTCCTTTTG GCTTCCTTCC AGGCGCGGCG
 10801 GCTGCTGCGC TAGCTTTTTT GGCCACTGGC CGCGCGCAGC GTAAGCGGTT AGGCTGGAAG
 10861 GCGAAAGCAT TAAGTGGCTC GCTCCCTGTA GCCGGAGGGT TATTTTCCAA GGGTTGAGTC
 10921 GCGGGACCCC CGGTTTCGAGT CTCGGACCGG CCGGACTGCG GCGAACGGGG CTTTGCCCTC
 10981 CCGTCATGCA AGACCCCGCT TGCAAATTCC TCCGGAAACA GGGACGAGCC GTTTTTTTCG
 11041 TTTTCCCAGA TGCATCCGGT GCTGCGGCAG ATGCGCCCCC CTCCTCAGCA GCGGCAAGAG
 11101 CAAGAGCAGC GGCAGACATG CAGGGCACCC TCCCCTCCTC CTACCGCGTC AGGAGGGGCG
 11161 ACATCCGCGG TTGACGCGGC AGCAGATGGT GATTACGAAC CCCCAGCGCG CCGGGCCCCG
 11221 CACTACCTGG ACTTGAGGA GGGCGAGGGC CTGGCGCGGC TAGGAGCGCC CTCTCCTGAG
 11281 CCGTACCCAA GGGTGCAGCT GAAGCGTGAT ACGCGTGAGG CGTACGTGCC GCGGCAGAAC
 11341 CTGTTTTCGG ACCGCGAGGG AGAGGAGCCC GAGGAGATGC GGGATCGAAA GTTCCACGCA
 11401 GGGCGCGAGC TCGCGCATGG CCTGAATCGC GAGCGGTTGC TCGCGAGGA GGAATTTGAG
 11461 CCCGACGCGC GAACCGGGAT TAGTCCCGCG CGCGCACACG TGGCGGCGCG CGACCTGGTA
 11521 ACCGCATACG AGCAGACGGT GAACCAGGAG ATTAACCTTC AAAAAAGCTT TAACAACCAC
 11581 GTGCGTACGC TTGTGGCGCG CGAGGAGGTG GCTATAGGAC TGATGCATCT TGGGGACTTT
 11641 GTAAGCGCGC TGGAGCAAAA CCCAAATAGC AAGCCGCTCA TGGCGCAGCT GTTCCTTATA
 11701 GTGAGCACA GCAGGGACAA CCGAGCATTC AGGGATGCGC TGCTAAACAT AGTAGAGCCC
 11761 GAGGGCCGCT GGCTGCTCGA TTTGATAAAC ATCCTGCAGA GCATAGTGGT GCAGGAGCGC
 11821 AGCTTGAGCC TGGCTGACAA GGTGGCCGCC ATCAACTATT CCATGCTTAG CCTGGGCAAG
 11881 TTTTACGCCC GCAAGATATA CCATACCCCT TACGTTCCCA TAGACAAGGA GGTAAAGATC
 11941 GAGGGGTTCT ACATGCGCAT GCGCTGAAG GTGCTTACCT TGAGCGACGA CCTGGGCGTT
 12001 TATCGCAACG AGCGCATCCA CAAGGCCGTG AGCGTGAGCC GGCGGCGCGA GCTCAGCGAC
 12061 CGCGAGCTGA TGCACAGCCT GCAAAGGGCC CTGGCTGGCA CCGGCAGCGG CGATAGAGAG
 12121 GCCGAGTCCT ACTTTGACGC GGGCGCTGAC CTGCGCTGGG CCCCAGGCC ACGCGCCCTG
 12181 GAGGCAGCTG GGGCCGGACC TGGGCTGGCG GTGGCACCCG CGCGCGCTGG CAACGTCGGC
 12241 GCGGTGGAGG AATATGACGA GGACGATGAG TACGAGCCAG AGGACGGCGA GTACTAAGCG
 12301 GTGATGTTTC TGATCAGATG ATGCAAGACG CAACGGACCC GGCGGTGCGG GCGGCGCTGC
 12361 AGAGCCAGCC GTCCGGCCTT AACTCCACGG ACGACTGGCG CCAGGTCATG GACCGCATCA
 12421 TGTCGCTGAC TCGCGCAAT CCTGACGCGT TCCGGCAGCA GCCGAGGCC AACC GGCTCT
 12481 CCGCAATTCT GGAAGCGGTG GTCCCGGCGC GCGCAAACCC CACGCACGAG AAGGTGCTGG
 12541 CGATCGTAAA CGCGCTGGCC GAAAACAGGG CCATCCGGCC CGACGAGGCC GGCTGCTCT
 12601 ACGACGCGCT GCTTCAGCGC GTGGCTCGTT ACAACAGCGG CAACGTGAG ACCAACCTGG
 12661 ACCGGCTGGT GGGGGATGTG CGCGAGGCCG TGGCGCAGCG TGAGCGCGCG CAGCAGCAGG
 12721 GCAACCTGGG CTCCATGGTT GCACTAAACG CCTTCCTGAG TACACAGCCC GCAACGTCG
 12781 CGCGGGGACA GGAGGACTAC ACCAACTTTG TGAGCGCACT GCGGCTAATG GTGACTGAGA
 12841 CACCGCAAAG TGAGGTGTAC CAGTCTGGG CAGACTATTT TTTCCAGACC AGTAGACAAG
 12901 GCCTGCAGAC CGTAAACCTG AGCCAGGCTT TCAAAACTT GCAGGGGCTG TGGGGGGTGC

FIGURE 21
(SHEET 4)

12961	GGGCTCCAC	AGGCGACCGC	GCGACCGTGT	CTAGCTTGCT	GACGCCCAAC	TCGCGCCTGT
13021	TGCTGCTGCT	AATAGCGCCC	TTCACGGACA	GTGGCAGCGT	GTCCCGGGAC	ACATACCTAG
13081	GTCACCTGCT	GACACTGTAC	CGCGAGGCCA	TAGGTCAGGC	GCATGTGGAC	GAGCATACTT
13141	TCCAGGAGAT	TACAAGTGTC	AGCCGCGCGC	TGGGGCAGGA	GGACACGGGC	AGCCTGGAGG
13201	CAACCTAAA	CTACCTGCTG	ACCAACCGGC	GGCAGAAGAT	CCCCTCGTTG	CACAGTTTAA
13261	ACAGCGAGGA	GGAGCGCATT	TTGCGCTACG	TGCAGCAGAG	CGTGAGCCTT	AACCTGATGC
13321	GCGACGGGGT	AACGCCCAGC	GTGGCGCTGG	ACATGACCGC	GCGCAACATG	GAACCGGGCA
13381	TGTATGCCTC	AAACCGGCCG	TTTATCAACC	GCCTAATGGA	CTACTTG CAT	CGCGCGCCG
13441	CCGTGAACCC	CGAGTATTTT	ACCAATGCCA	TCTTGAACCC	GCACTGGCTA	CCGCCCCCTG
13501	GTTTCTACAC	CGGGGGATTG	GAGGTGCCCG	AGGGTAACGA	TGGATTCTCT	TGGGACGACA
13561	TAGACGACAG	CGTGTTTTCC	CCGCAACCGC	AGACCCTGCT	AGAGTTGCAA	CAGCGCGAGC
13621	AGGCAGAGGC	GGCGCTGCGA	AAGGAAAGCT	TCCGCAGGCC	AAGCAGCTTG	TCCGATCTAG
13681	GCGCTGCGGC	CCCGCGGTCA	GATGCTAGTA	GCCCATTTCC	AAGCTTGATA	GGGTCTCTTA
13741	CCAGCACTCG	CACCACCCGC	CCGCGCCTGC	TGGGCGAGGA	GGAGTACCTA	AACAACTCGC
13801	TGCTGTCAGG	GCAGCGCGAA	AAAAACCTGC	CTCCGGCATT	TCCCAACAAC	GGGATAGAGA
13861	GCCTAGTGGA	CAAGATGAGT	AGATGGAAGA	CGTACGCGCA	GGAGCACAGG	GACGTGCCAG
13921	GCCCGCGCCC	GCCCACCCGT	CGTCAAAGGC	ACGACCGTCA	GCGGGGTCTG	GTGTGGGAGG
13981	ACGATGACTC	GGCAGACGAC	AGCAGCTGCC	TGGATTGGGG	AGGGAGTCTG	AACCCGTTTG
14041	CGCACCTTCG	CCCCAGGCTG	GGGAGAATGT	TTTAAAAAAA	AAAAAGCATG	ATGCAAAATA
14101	AAAAACTCAC	CAAGGCCATG	GCACCGAGCG	TTGGTTTTCT	TGTATTCCCC	TTAGTATGCG
14161	GCGCGCGGCG	ATGTATGAGG	AAGGTCCTCC	TCCCTCCTAC	GAGAGTGTGG	TGAGCGCGGC
14221	GCCAGTGGCG	GCGGCGCTGG	GTTCTCCCTT	CGATGCTCCC	CTGGACCCGC	CGTTTGTGCC
14281	TCCGCGGTAC	CTGCGGCCTA	CCGGGGGGAG	AAACAGCATC	CGTTACTCTG	AGTTGGCACC
14341	CCTATTCGAC	ACCACCCGTG	TGTACCTGGT	GGACAACAAG	TCAACGGATG	TGGCATCCCT
14401	GAAC TACCAG	AACGACCACA	GCAACTTTCT	GACCACGGTC	ATTCAAAACA	ATGACTACAG
14461	CCCGGGGGAG	GCAAGCACAC	AGACCATCAA	TCTTGACGAC	CGGTGCGACT	GGGGCGGCGA
14521	CCTGAAAACC	ATCCTGCATA	CCAACATGCC	AAATGTGAAC	GAGTTCATGT	TTACCAATAA
14581	GTTTAAGGCG	CGGGTGATGG	TGTCGCGCTT	GCCTACTAAG	GACAATCAGG	TGGAGCTGAA
14641	ATACGAGTGG	GTGGAGTTCA	CGCTGCCCCG	GGGCAACTAC	TCCGAGACCA	TGACCATAGA
14701	CCTTATGAAC	AACGCGATCG	TGGAGCACTA	CTTGAAAGTG	GGCAGACAGA	ACGGGGTTCT
14761	GGAAAGCGAC	ATCGGGGTAA	AGTTTGACAC	CCGCAACTTC	AGACTGGGGT	TTGACCCCGT
14821	CACTGGTCTT	GTCATGCCTG	GGGTATATAC	AAACGAAGCC	TTCCATCCAG	ACATCATTTT
14881	GCTGCCAGGA	TGCGGGGTGG	ACTTCACCCA	CAGCCGCCTG	AGCAACTTGT	TGGGCATCCG
14941	CAAGCGGCAA	CCCTTCCAGG	AGGGCTTTAG	GATCACCTAC	GATGATCTGG	AGGGTGGTAA
15001	CATTCCCGCA	CTGTTGGATG	TGGACGCCCTA	CCAGGCGAGC	TTGAAAGATG	ACACCGAACA
15061	GGGCGGGGGT	GGCGCAGGCG	GCAGCAACAG	CAGTGGCAGC	GGCGCGGAAG	AGAACTCCAA
15121	GCGGCGAGCC	GCGGCAATGC	AGCCGGTGGA	GGACATGAAC	GATCATGCCA	TTGCGGGCGA
15181	CACCTTTGCC	ACACGGGCTG	AGGAGAAGCG	CGCTGAGGCC	GAAGCAGCGG	CCGAAGCTGC
15241	CGCCCCCGCT	GCGCAACCCG	AGGTCGAGAA	GCCTCAGAAG	AAACCGGTGA	TAACAAACCCCT
15301	GACAGAGGAC	AGCAAGAAAC	GCAGTTACAA	CCTAATAAGC	AATGACAGCA	CCTTCACCCA
15361	GTACCGCAGC	TGGTACCTTG	CATACAACTA	CGGCGACCCT	CAGACCGGAA	TCCGCTCATG
15421	GACCTGCTT	TGCACTCCTG	ACGTAACCTG	CGGCTCGGAG	CAGGTCTACT	GGTCGTTGCC
15481	AGACATGATG	CAAGACCCCG	TGACCTTCCG	CTCCACGCGC	CAGATCAGCA	ACTTTCGGGT
15541	GGTGGGCGCC	GAGCTGTTGC	CCGTGCACTC	CAAGAGCTTC	TACAACGACC	AGGCCGTCTA
15601	CTCCCAACTC	ATCCGCCAGT	TTACCTCTCT	GACCCACGTG	TTCAATCGCT	TTCCCGAGAA
15661	CGAGATTTTG	GCGCGCCCGC	CAGCCCCCAC	CATCACCACC	GTCAGTGAAA	ACGTTCTCTG
15721	TCTCACAGAT	CACGGGACGC	TACCGCTGCG	CAACAGCATC	GGAGGAGTCC	AGCGAGTGAC
15781	CATTACTGAC	GCCAGACGCC	GCACCTGCCC	CTACGTTTAC	AAGGCCCTGG	GCATAGTCTC
15841	GCCGCGCGTC	CTATCGAGCC	GCACTTTTTG	AGCAAGCATG	TCCATCCTTA	TATCGCCCAG
15901	CAATAACACA	GGCTGGGGCC	TGCGCTTCCC	AAGCAAGATG	TTTGGCGGGG	CCAAGAAGCG
15961	CTCCGACCAA	CACCCAGTGC	GCGTGCGCGG	GCACTACCGC	GCGCCCTGGG	GCGCGCACAA
16021	ACGCGGCCGC	ACTGGGCGCA	CCACCGTCGA	TGACGCCATC	GACGCGGTGG	TGGAGGAGGC
16081	GCGCAACTAC	ACGCCCACGC	CGCCACCAGT	GTCCACAGTG	GACGCGGCCA	TTCAGACCGT
16141	GGTGCGCGGA	GCCCCGCGCT	ATGCTAAAAT	GAAGAGACGG	CGGAGGCGCG	TAGCACGTGC
16201	CCACCGCCGC	CGACCCGGCA	CTGCCGCCCA	ACGCGCGGCG	GCGGCCCTGC	TTAACCGCGC
16261	ACGTGCGACC	GGCCGACGGG	CGGCCATGCG	GGCCGCTCGA	AGGCTGGCCG	CGGCTATTGT
16321	CACTGTGCCC	CCCAGGTCCA	GGCGACGAGC	GGCCGCCGCA	GCAGCCGCGG	CCATTAGTGC

FIGURE 21
(SHEET 5)

16381 TATGACTCAG GGTCGCAGGG GCAACGTGTA TTGGGTGCGC GACTCGGTGA GCGGCCCTGCG
16441 CGTGCCCGTG CGCACCCGCC CCCCGCGCAA CTAGATTGCA AGAAAAAACT ACTTAGACTC
16501 GTACTGTTGT ATGTATCCAG CGGCGGCGGC GCGCAACGAA GCTATGTCCA AGCGCAAAAT
16561 CAAAGAAGAG ATGCTCCAGG TCATCGCGCC GGAGATCTAT GGCCCCCGA AGAAGGAAGA
16621 GCAGGATTAC AAGCCCCGAA AGCTAAAGCG GGTCAAAAAG AAAAGAAAG ATGATGATGA
16681 TGAACCTGAC GACGAGGTGG AACTGCTGCA CGCTACCGCG CCCAGGCGAC GGGTACAGTG
16741 GAAAGGTGCG CGCGTAAAC GTGTTTTGCG ACCCGGCACC ACCGTAGTCT TTACGCCCGG
16801 TGAGCGCTCC ACCCGCACCT ACAAGCGCGT GTATGATGAG GTGTACGGCG ACGAGGACCT
16861 GCTTGAGCAG GCCAACGAGC GCCTCGGGGA GTTTGCCTAC GGAAAGCGG ATAAGGACAT
16921 GCTGGCGTTG CCGCTGGACG AGGGCAACCC AACACCTAGC CTAAAGCCCG TAACACTGCA
16981 GCAGGTGCTG CCCCGCGTTG CACCGTCCGA AGAAAAGCGC GGCCTAAAGC GCGAGTCTGG
17041 TGACTTGGA CCCACCGTGC AGCTGATGGT ACCCAAGCGC CAGCGACTGG AAGATGTCTT
17101 GGAAAAAATG ACCGTGGAAC CTGGGCTGGA GCGCGAGGTC CGCGTGCGGC CAATCAAGCA
17161 GGTGGCGCGG GGAAGTGGCG TGCAAGCCGT GGACGTTTCA ATACCCACTA CCAGTAGCAC
17221 CAGTATTGCC ACCGCCACAG AGGGCATGGA GACACAAACG TCCCCGTTG CCTCAGCGGT
17281 GCGGATGCC GCGGTGCAGG CCGTCCGTGC GGCCGCGTCC AAGACCTCTA CGGAGGTGCA
17341 AACGGACCCG TGGATGTTTC GCGTTTCAGC CCCCCGCGC CCGCGCGGTT CGAGGAAGTA
17401 CCGCGCGGCC AGCGCGCTAC TGCCCGAATA TGCCCTACAT CCTTCCATTG CGCCTACCCC
17461 CGGCTATCGT GGCTACACCT ACCGCCCCAG AAGACGAGCA ACTACCCGAC GCCGAACCAC
17521 CACTGGAACC CGCCGCGGCC GTCGCGCTCG CCAGCCCGTG CTGGCCCCGA TTTCCGTGCG
17581 CAGGGTGGCT CGCGAAGGAG GCAGGACCCT GGTGCTGCCA ACAGCGCGT ACCACCCAG
17641 CATCGTTTAA AAGCCGGTCT TTGTGGTTCT TGCAGATATG GCCCTCACCT GCCGCTCCG
17701 TTTCCCGGTG CCGGGATTCC GAGGAAGAAT GCACCGTAGG AGGGGCATGG CCGGCCACGG
17761 CCTGACGGGC GGCATGCGTC GTGCGCACA CCGCGGCGG CGCGCGTCGC ACCGTGCGAT
17821 GCGCGGCGGT ATCCTGCCCC TCCTTATTCC ACTGATCGCC GCGGCGATTG GCGCCGTGCC
17881 CGGAATTGCA TCCGTGGCCT TGCAGGCGCA GAGACACTGA TTAAAAACAA GTTGCATGTG
17941 GAAAAATCAA AATAAAAAGT CTGGACTCTC ACGCTCGCTT GGTCCTGTAA CTATTTTGTA
18001 GAATGGAAGA CATCAACTTT GCGTCTCTGG CCCCCGACA CGGCTCGCGC CCGTTCATGG
18061 GAAACTGGCA AGATATCGGC ACCAGCAATA TGAGCGGTGG CGCCTTCAGC TGGGGCTCGC
18121 TGTGGAGCGG CATTAAAAAT TTCGGTTCCA CCGTTAAGAA CTATGGCAGC AAGGCCCTGA
18181 ACAGCAGCAC AGGCCAGATG CTGAGGGATA AGTTGAAAGA GCAAAATTC CAACAAAAGG
18241 TGGTAGATGG CCTGGCCTCT GGCATTAGCG GGTGGTGGGA CCTGGCCAAC CAGGCAGTGC
18301 AAAATAAGAT TAACAGTAAG CTTGATCCCC GCCCTCCCGT AGAGGAGCCT CCACCGGCCG
18361 TGGAGACAGT GTCTCCAGAG GGGCGTGGCG AAAAGCGTCC GCGCCCCGAC AGGGAAGAAA
18421 CTCTGGTGAC GCAAATAGAC GAGCCTCCCT CGTACGAGGA GGCATAAAG CAAGGCCTGC
18481 CCACACCCG TCCCATCGCG CCCATGGCTA CCGGAGTGCT GGGCCAGCAC ACACCCGTAA
18541 CGCTGGACCT GCCTCCCCC GCGACACCC AGCAGAAACC TGTGCTGCCA GGCCCCACCG
18601 CCGTTGTTGT AACCCGTCCT AGCCGCGCGT CCCTGCGCCG CGCCGCCAGC GGTCCGCGAT
18661 CGTTGCGGCC CGTAGCCAGT GGCAACTGGC AAAGCACACT GAACAGCATC GTGGGTCTGG
18721 GGGTGCAATC CCTGAAGCGC CGACGATGCT TCTGAATAGC TAACGTGTCTG TATGTGTGTC
18781 ATGTATGCGT CCATGTCGCC GCCAGAGGAG CTGCTGAGCC GCCGCGCGCC CGCTTTCCAA
18841 GATGGCTACC CCTTCGATGA TGCCGAGTG GTCTTACATG CACATCTCGG GCCAGGACGC
18901 CTCGGAGTAC CTGAGCCCCG GGCTGGTGCA GTTTGCCCGC GCCACCGAGA CGTACTTCAG
18961 CCTGAATAAC AAGTTTAGAA ACCCCACGGT GCGCCTACG CACGACGTGA CCACAGACCG
19021 GTCCCAGCGT TTGACGCTGC GGTTCATCCC TGTGGACCGT GAGGATACTG CGTACTCGTA
19081 CAAGGCGCGG TTCACCCTAG CTGTGGGTGA TAACCGTGTG CTGGACATGG CTTCCACGTA
19141 CTTTGACATC CGCGCGTGC TGGACAGGGG CCCTACTTTT AAGCCCTACT CTGGCACTGC
19201 CTACAACGCC CTGGCTCCCA AGGGTGCCCC AAATCCTTGC GAATGGGATG AAGCTGCTAC
19261 TGCTCTTGAA ATAAACCTAG AAGAAGAGGA CGATGACAAC GAAGACGAAG TAGACGAGCA
19321 AGCTGAGCAG CAAAAAACTC ACGTATTTGG GCAGGCGCCT TATTCTGGTA TAAATATTAC
19381 AAAGGAGGGT ATTCAAATAG GTGTCGAAGG TCAAACACCT AAATATGCCG ATAAACATT
19441 TCAACCTGAA CCTCAAATAG GAGAATCTCA GTGGTACGAA ACTGAAATTA ATCATGCAGC
19501 TGGGAGAGTC CTTAAAAAGA CTACCCCAAT GAAACCATGT TACGGTTTCA ATGCAAAACC
19561 CACAAATGAA AATGGAGGGC AAGGCATTCT TGTAAGCAA CAAAATGGAA AGCTAGAAAG
19621 TCAAGTGGAA ATGCAATTTT TCTCAACTAC TGAGGCGACC GCAGGCAATG GTGATAACTT
19681 GACTCCTAAA GTGGTATTGT ACAGTGAAGA TGTAGATATA GAAACCCAG AACTCATAT
19741 TTCTTACATG CCCACTATTA AGGAAGGTAA CTCACGAGAA CTAATGGGCC AACATCTAT

FIGURE 21
(SHEET 6)

19801	GCCCAACAGG	CCTAATTACA	TTGCTTTT	GGACAATTTT	ATTGGTCTAA	TGTATTACAA
19861	CAGCACGGGT	AATATGGGTG	TTCTGGCGGG	CCAAGCATCG	CAGTTGAATG	CTGTTGTAGA
19921	TTTGCAAGAC	AGAAACACAG	AGCTTTCATA	CCAGCTTTTG	CTTGATTCCA	TGGTGATAG
19981	AACCAGGTAC	TTTTCTATGT	GGAATCAGGC	TGTTGACAGC	TATGATCCAG	ATGTTAGAAT
20041	TATTGAAAAT	CATGGAAGT	AAGATGAACT	TCCAAATTAC	TGCTTTCCAC	TGGGAGGTGT
20101	GATTAATACA	GAGACTCTTA	CCAAGGTAAA	ACCTAAAACA	GGTCAGGAAA	ATGGATGGGA
20161	AAAAGATGCT	ACAGAATTTT	CAGATAAAAA	TGAAATAAGA	GTTGGAAATA	ATTTTGCCAT
20221	GGAAATCAAT	CTAAATGCCA	ACCTGTGGAG	AAATTTCTCT	TACTCCAACA	TAGCGCTGTA
20281	TTTGCCCGAC	AAGCTAAAGT	ACAGTCCTTC	CAACGTAAAA	ATTTCTGATA	ACCCAAACAC
20341	CTACGACTAC	ATGAACAAGC	GAGTGGTGGC	TCCCGGGTTA	GTGGACTGCT	ACATTAAACCT
20401	TGGAGCACGC	TGGTCCCTTG	ACTATATGGA	CAACGTCAAC	CCATTTAACC	ACCACCGCAA
20461	TGCTGGCCTG	CGCTACCGCT	CAATGTTGCT	GGGCAATGGT	CGCTATGTGC	CCTTCCACAT
20521	CCAGGTGCCT	CAGAAGTTCT	TTGCCATTAA	AAACCTCCTT	CTCCTGCCGG	CTCATACAC
20581	CTACGAGTGG	AACTTCAGGA	AGGATGTTAA	CATGGTTCTG	CAGAGCTCCC	TAGGAAATGA
20641	CCTAAGGGTT	GACGGAGCCA	GCATTAAGTT	TGATAGCATT	TGCCTTTACG	CCACCTTCTT
20701	CCCCATGGCC	CACAACACCG	CCTCCACGCT	TGAGGCCATG	CTTAGAAACG	ACACCAACGA
20761	CCAGTCCTTT	AACGACTATC	TCTCCGCCGC	CAACATGCTC	TACCCTATAC	CCGCCAACGC
20821	TACCAACGTG	CCCATATCCA	TCCCCTCCCG	CAACTGGGCG	GCTTTCCGCG	GCTGGGCCTT
20881	CACGCGCCTT	AAGACTAAGG	AAACCCCATC	ACTGGGCTCG	GGCTACGACC	CTTATTACAC
20941	CTACTCTGGC	TCTATACCCT	ACCTAGATGG	AACCTTTTAC	CTCAACCACA	CCTTTAAGAA
21001	GGTGGCCATT	ACCTTTGACT	CTTCTGTCAG	CTGGCCTGGC	AATGACCGCC	TGCTTACCCC
21061	CAACGAGTTT	GAAATTAAGC	GCTCAGTTGA	CGGGGAGGGT	TACAACGTTG	CCCAGTGTA
21121	CATGACCAAA	GACTGGTTCC	TGGTACAAAT	GCTAGCTAAC	TACAACATTG	GCTACCAGGG
21181	CTTCTATATC	CCAGAGAGCT	ACAAGGACCG	CATGTACTCC	TTCTTTAGAA	ACTTCCAGCC
21241	CATGAGCCGT	CAGGTGGTGG	ATGATACTAA	ATACAAGGAC	TACCAACAGG	TGGGCATCCT
21301	ACACCAACAC	AACAACCTCT	GATTTGTTGG	CTACCTTGCC	CCCACCATGC	GCGAAGGACA
21361	GGCCTACCCT	GCTAACTTCC	CCTATCCGCT	TATAGGCAAG	ACCGCAGTTG	ACAGCATTAC
21421	CCAGAAAAAG	TTTCTTTGCG	ATCGCACCCCT	TTGGCGCATC	CCATTCTCCA	GTAACCTTAT
21481	GTCCATGGGC	GCACTCACAG	ACCTGGGCCA	AAACCTTCTC	TACGCCAACT	CCGCCACGCG
21541	GCTAGACATG	ACTTTTGAGG	TGGATCCCAT	GGACGAGCCC	ACCTTCTCTT	ATGTTTTGTT
21601	TGAAGTCTTT	GACGTGGTCC	GTGTGCACCG	GCCGCACCGC	GGCGTCATCG	AAACCGTGTA
21661	CCTGCGCAGC	CCCTTCTCGG	CCGGCAACGC	CACAACATAA	AGAAGCAAGC	AACATCAACA
21721	ACAGCTGCCG	CCATGGGCTC	CAGTGAGCAG	AAGCTGAAAG	CCATTGTCAA	AGATCTGGT
21781	TGTGGGCCAT	ATTTTTTGCG	CACCTATGAC	AAGCGCTTTC	CAGGCTTTGT	TTCTCCACAC
21841	AAGCTCGCCT	GCGCCATAGT	CAATACGGCC	GGTCGCGAGA	CTGGGGGCGT	ACACTGGATG
21901	GCCTTTGCCT	GGAACCCGCA	CTCAAAAACA	TGCTACCTCT	TTGAGCCCTT	TGGCTTTTCT
21961	GACCAGCGAC	TCAAGCAGGT	TTACCAGTTT	GAGTACGAGT	CACTCCTGCG	CCGTAGCGCC
22021	ATTGCTTCTT	CCCCCGACCG	CTGTATAACG	CTGGAAAAGT	CCACCCAAAG	CGTACAGGGG
22081	CCCAACTCGG	CCGCCTGTGG	ACTATTCTGC	TGCATGTTTC	TCCACGCCTT	TGCCAACTGG
22141	CCCCAACTC	CCATGGATCA	CAACCCACAC	ATGAACCTTA	TTACCGGGGT	ACCCAACTCC
22201	ATGCTCAACA	GTCCCAGGT	ACAGCCCACC	CTGCGTCGCA	ACCAGGAACA	GCTCTACAGC
22261	TTCCCTGGAG	GCCACTCGCC	CTACTTCCGC	AGCCACAGTG	CGCAGATTAG	GAGCGCCACT
22321	TCTTTTGTG	ACTTGAAAAA	CATGTA AAAA	TAATGTACTA	GAGACACTTT	CAATAAAGGC
22381	AAATGCTTTT	ATTTGTACAC	TCTCGGGTGA	TTATTTACCC	CCACCTTGGC	CGTCTGCGCC
22441	GTTTAAAAAT	CAAAGGGGTT	CTGCCGCGCA	TCGCTATGCG	CCACTGGCAG	GGACACGTTG
22501	CGATACTGGT	GTTTAGTGCT	CCACTTAAAC	TCAGGCACAA	CCATCCGCGG	CAGCTCGGTG
22561	AAGTTTTCAC	TCCACAGGCT	GCGCACCATC	ACCAACGCGT	TTAGCAGGTC	GGGCGCCGAT
22621	ATCTTGAAGT	CGCAGTTGGG	GCCTCCGCC	TGCGCGCGCG	AGTTGCGATA	CACAGGGTTG
22681	CAGCACTGGA	ACACTATCAG	CGCCGGGTGG	TGCACGCTGG	CCAGCACGCT	CTTGTCGGAG
22741	ATCAGATCCG	CGTCCAGGTC	CTCCGCGTTG	CTCAGGGCGA	ACGGAGTCAA	CTTTGGTAGC
22801	TGCCTTCCCA	AAAAGGGCGC	GTGCCCAGGC	TTTGAGTTGC	ACTCGCACCG	TAGTGGCATC
22861	AAAAGGTGAC	CGTGCCCGGT	CTGGGCGTTA	GGATACAGCG	CCTGCATAAA	AGCCTTGATC
22921	TGCTTAAAAG	CCACCTGAGC	CTTTGCGCCT	TCAGAGAAGA	ACATGCCGCA	AGACTTGCCG
22981	GAAAACCTGAT	TGGCCGGACA	GGCCGCGTCG	TGCACGCAGC	ACCTTGCGTC	GGTGTGGAG
23041	ATCTGCACCA	CATTTGCGCC	CCACCGGTTT	TTCACGATCT	TGGCCTTGCT	AGACTGCTCC
23101	TTACGCGCGC	GCTGCCCGTT	TTGCTCGTCT	ACATCCATTT	CAATCACGTG	CTCCTTATTT
23161	ATCATAATGC	TTCCGTGTAG	ACACTTAAGC	TCGCCTTCGA	TCTCAGCGCA	GCGGTGCAGC

FIGURE 21
(SHEET 7)

23221 CACAACGCGC AGCCCGTGGG CTCGTGATGC TTGTAGGTCA CCTCTGCAAA CGACTGCAGG
 23281 TACGCCTGCA GGAATCGCCC CATCATCGTC ACAAAGGTCT TGTTGCTGGT GAAGGTCAGC
 23341 TGCAACCCGC GGTGCTCCTC GTTCAGCCAG GTCTTGATA CGGCCGCCAG AGCTTCCACT
 23401 TGGTCAGGCA GTAGTTTGAA GTTCGCCTTT AGATCGTTAT CCACGTGGTA CTTGTCCATC
 23461 AGCGCGCGCG CAGCCTCCAT GCCCTTCTCC CACGCAGACA CGATCGGCAC ACTCAGCGGG
 23521 TTCATCACCG TAATTTCACT TTCCGCTTCG CTGGGCTCTT CCTCTTCCTC TTGCGTCCGC
 23581 ATACCACGCG CCACTGGGTC GTCTTCATTG AGCCGCCGCA CTGTGCGCTT ACCTCCTTTG
 23641 CCATGCTTGA TTAGCACCGG TGGGTTGCTG AAACCCACCA TTTGTAGCGC CACATCTTCT
 23701 CTTTCTTCCT CGCTGTCCAC GATTACCTCT GGTGATGGCG GCGCTCGGG CTTGGGAGAA
 23761 GGGCGCTTCT TTTTCTTCTT GGGCGCAATG GCCAAATCCG CCGCCGAGGT CGATGGCCGC
 23821 GGGCTGGGTG TGCGCGGCAC CAGCGCGTCT TGTGATGAGT CTTCCTCGTC CTCGGACTCG
 23881 ATACGCCGCC TCATCCGCTT TTTTGGGGGC GCCCGGGAG GCGGCGGCGA CGGGGACGGG
 23941 GACGACCGT CCTCCATGGT TGGGGGACGT CGCGCCGCAC CGCGTCCGCG CTCGGGGGTG
 24001 GTTTCGCGCT GCTCCTCTTC CCGACTGGCC ATTTCTTCTT CCTATAGGCA GAAAAAGATC
 24061 ATGGAGTCAG TCGAGAAGAA GGACAGCCTA ACCGCCCCCT CTGAGTTCGC CACCACCGCC
 24121 TCCACCGATG CCGCCAACGC GCCTACCACC TTCCCCGTCG AGGCACCCCC GCTTGAGGAG
 24181 GAGGAAGTGA TTATCGAGCA GGACCCAGGT TTTGTAAGCG AAGACGACGA GGACCGCTCA
 24241 GTACCAACAG AGGATAAAAA GCAAGACCAG GACAACGCAG AGGCAAACGA GGAACAAGTC
 24301 GGGCGGGGGG ACGAAAGGCA TGGCGACTAC CTAGATGTGG GAGACGACGT GCTGTTGAAG
 24361 CATCTGCAGC GCCAGTGCGC CATTATCTGC GACGCGTTGC AAGAGCGCAG CGATGTGCCC
 24421 CTCGCCATAG CGGATGTCAG CCTTGCCTAG GAACGCCACC TATTCTCACC GCGCTGACCC
 24481 CCCAAACGCC AAGAAAACGG CACATCGCAG CCCAACCCGC GCCTCAACTT CTACCCCGTA
 24541 TTTGCCCTGC CAGAGGTGCT TGCCACCTAT CACATCTTTT TCCAAAACGT CAAGATACCC
 24601 CTATCCTGCC GTGCCAACCG CAGCCGAGCG GACAAGCAGC TGGCCTTGCG GCAGGGCGCT
 24661 GTCATACCTG ATATCGCCTC GCTCAACGAA GTGCCAAAAA TCTTTGAGGG TCTTGAGCGC
 24721 GACGAGAAGC GCGCGGCAAA CGCTCTGCAA CAGGAAAACA GCGAAAATGA AAGTCACTCT
 24781 GGAGTGTTGG TGGAACTCGA GGGTGACAAC GCGCGCCTAG CCGTACTAAA ACGCAGCATC
 24841 GAGGTCAACC ACTTTGCCTA CCCGGCACCT AACCTACCCC CCAAGGTCAT GAGCACAGTC
 24901 ATGAGTGAGC TGATCGTGCG CCGTGCGCAG CCCCTGGAGA GGGATGCAAA TTTGCAAGAA
 24961 CAAACAGAGG AGGGCCTACC CGCAGTTGGC GACGAGCAGC TAGCGCGCTG GCTTCAAACG
 25021 CGCGAGCCTG CCGACTTGGA GGAGCGACGC AAACATAATGA TGGCCGCGAG TGCCTTACC
 25081 GTGGAGCTTG AGTGATGCA GCGGTTCTTT ACTGACCCGG AGATGCGAGC CAAGCTAGAG
 25141 GAAACATTGC ACTACACCTT TCGACAGGGC TACGTACGCC AGGCCTGCAA GATCTCCAAC
 25201 GTGGAGCTCT GCAACCTGGT CTCCTACCTT GGAATTTTGC ACGAAAACCG CCTTGGGCAA
 25261 AACGTGCTTC ATTCCACGCT CAAGGGCGAG GCGCGCCGCG ACTACGTCCG CGACTGCGTT
 25321 TACTTATTTT TATGCTACAC CTGGCAGACG GCCATGGGCG TTTGGCAGCA GTGCTTGGAG
 25381 GAGTGCAACC TCAAGGAGCT GCAGAACTG CTAAAGCAAA ACTTGAAGGA CCTATGGACG
 25441 GCCTTCAACG AGCGCTCCGT GGCCGCGCAC CTGGCGGACA TCATTTTCCC CGAACGCCTG
 25501 CTTAAACCCC TGCAACAGGG TCTGCCAGAC TTCACCAGTC AAAGCATGTT GCAGAACTTT
 25561 AGGAACCTTA TCCTAGAGCG CTCAGGAATC TTGCCCCGCA CCTGCTGTGC ACTTCTAGC
 25621 GACTTTGTGC CCATTAAGTA CCGCGAATGC CCTCCGCCG TTTGGGGCCA TGTCTACCTT
 25681 CTGCAGCTAG CCAACTACCT TGCCTACCAC TCTGACATAA TGGAAGACGT GAGCGGTGAC
 25741 GGTCTACTGG AGTGTCACTG TCGTGCAAC CTATGCACCC CGCACCCTC CCTGGTTTGC
 25801 AATTCGAGC TGCTTAACGA AAGTCAAATT ATCGGTACCT TTGAGCTGCA GGGTCCCTCG
 25861 CCTGACGAAA AGTCCGCGGC TCCGGGGTTG AAACCTCACTC CGGGGCTGTG GACGTGCGCT
 25921 TACCTTCGCA AATTTGTACC TGAGGACTAC CACGCCCACG AGATTAGGTT CTACGAAGAC
 25981 CAATCCCGCC CGCCAAATGC GGAGCTTACC GCCTGCGTCA TTACCCAGGG CCACATTCTT
 26041 GGCCAATTGC AAGCCATCAA CAAAGCCCGC CAAGAGTTTC TGCTACGAAA GGGACGGGGG
 26101 GTTTACTTGG ACCCCAGTC CCGCGAGGAG CTCACCCCAA TCCCCCGCC GCCGCAGCCC
 26161 TATCAGCAGC AGCCGCGGGC CCTTGCTTCC CAGGATGGCA CCCAAAAAGA AGTGCAGCT
 26221 GCCGCGGCA CCCACGGACG AGGAGGAATA CTGGGACAGT CAGGCAGAGG AGGTTTTGGA
 26281 CGAGGAGGAG GAGGACATGA TGGAAAGACT GGAGAGCCTA GACGAGGAAG CTTCCGAGGT
 26341 CGAAGAGGTG TCAGACGAAA CACCGTCACC CTCGGTCGCA TTCCCTCGC CGGCGCCCCA
 26401 GAAATCGGCA ACCGGTTCCA GCATGGCTAC AACCTCCGCT CCTCAGGCGC CGCCGGCACT
 26461 GCGCGTTGCG CGACCCAACC GTAGATGGGA CACCACTGGA ACCAGGGCCG GTAAGTCCAA
 26521 GCAGCCGCCG CCGTTAGCCC AAGAGCAACA ACAGCGCCAA GGCTACCGCT CATGGCGCGG
 26581 GCACAAGAAC GCCATAGTTG CTTGCTTGCA AGACTGTGGG GGCAACATCT CCTTCGCCCC

FIGURE 21
(SHEET 8)

26641 CCGCTTTCTT CTCTACCATC ACGGCGTGGC CTTCCCCCGT AACATCCTGC ATTACTACCG
 26701 TCATCTCTAC AGCCCATACT GCACCGGCGG CAGCGGCAGC GGCAGCAACA GCAGCGGCCA
 26761 CACAGAAGCA AAGGCGACCG GATAGCAAGA CTCTGACAAA GCCCAAGAAA TCCACAGCGG
 26821 CGGCAGCAGC AGGAGGAGGA GCGCTGCGTC TGGCGCCCAA CGAACCCGTA TCGACCCGCG
 26881 AGCTTAGAAA CAGGATTTTT CCCACTCTGT ATGCTATATT TCAACAGAGC AGGGGCCAAG
 26941 AACAAGAGCT GAAAATAAAA AACAGGTCTC TGCGATCCCT CACCCGCAGC TGCCTGTATC
 27001 ACAAAGCGA AGATCAGCTT CGGCGCACGC TGGGAAGACGC GGAGGCTCTC TTCAGTAAAT
 27061 ACTGCGCGCT GACTCTTAAG GACTAGTTTC GCGCCCTTTC TCAAATTTAA GCGCGAAAAC
 27121 TACGTCATCT CCAGCGGCCA CACCCGGCGC CAGCACCTGT CGTCAGCGCC ATTATGAGCA
 27181 AGGAAATTCC CACGCCCTAC ATGTGGAGTT ACCAGCCACA AATGGGACTT GCGGCTGGAG
 27241 CTGCCCAAGA CTACTCAACC CGAATAAACT ACATGAGCGC GGGACCCAC ATGATATCCC
 27301 GGGTCAACGG AATCCGCGCC CACCGAAACC GAATTCTCTT GGAACAGGCG GCTATTACCA
 27361 CCACACCTT TAATAACCTT AATCCCCGTA GTTGGCCCGC TGCCCTGGTG TACCAGGAAA
 27421 GTCCCGCTCC CACCACTGTG GTACTTCCCA GATACGCCCA GGCCGAAGTT CAGATGACTA
 27481 ACTCAGGGGC GCAGCTTGCG GCGGCTTTC GTACAGGGT GCGGTGCGCC GGGCAGGGTA
 27541 TAACTCACCT GACAATCAGA GGGCGAGGTA TTCAGCTCAA CGACGAGTCG GTGAGCTCCT
 27601 CGCTTGGTCT CCGTCCGGAC GGGACATTTT AGATCGGCGG CGCCGGCCGT CCTTCATTCA
 27661 CGCCTCGTCA GGCAATCCTA ACTCTGCAGA CCTCGTCCTC TGAGCCGCGC TCTGGAGGCA
 27721 TTGGAACCTT GCAATTTATT GAGGAGTTTG TGCCATCGGT CTACTTTAAC CCTTCTCGG
 27781 GACCTCCCGG CCACTATCCG GATCAATTTA TTCCTAACTT TGACGCGGTA AAGGACTCGG
 27841 CGGACGGCTA CGACTGAATG TTAAGTGGAG AGGCAGAGCA ACTGCGCCTG AAACACCTGG
 27901 TCCACTGTCT CCGCCACAAG TGCTTTGCCG GCGACTCCGG TGAGTTTTCG TACTTTGAAT
 27961 TGCCCGAGGA TCATATCGAG GGCCCGGCGC ACGGCGTCCG GCTTACCGCC CAGGGAGAGC
 28021 TTGCCCGTAG CCTGATTCCG GAGTTTACCC AGCGCCCCCT GCTAGTTGAG CGGGACAGGG
 28081 GACCCTGTGT TCTCACTGTG ATTTGCAACT GTCCCTAACCT TGGATTACAT CAAGATCTTT
 28141 GTTGCCATCT CTGTGCTGAG TATAATAAAT ACAGAAATTA AAATATACTG GGGCTCCTAT
 28201 CGCCATCCTG TAAACGCCAC CGTCTTCACC CGCCCAAGCA AACCAAGGCG AACCTTACCT
 28261 GGTACTTTTA ACATCTCTCC CTCTGTGATT TACAACAGTT TCAACCCAGA CGGAGTGAGT
 28321 CTACGAGAGA ACCTCTCCGA GCTCAGCTAC TCCATCAGAA AAAACACCAC CCTCCTTACC
 28381 TGCCGGGAAC GTACGAGTGC GTCACCGGCC GCTGCACCAC ACCTACCGCC TGACCGTAAA
 28441 CCAGACTTTT TCCGGACAGA CCTCAATAAC TCTGTTTACC AGAACAGGAG GTGAGCTTAG
 28501 AAAACCCTTA GGGTATTAGG CCAAAGGCGC AGCTACTGTG GGGTTTATGA ACAATTCAAG
 28561 CAACTCTACG GGCTATTCTA ATTCAGGTTT CTCTAGAATC GGGGTGCGG TATTCTCTG
 28621 TCTTGTGATT CTCTTTATTC TTATACTAAC GCTTCTCTGC CTAAGGCTCG CCGCTGCTG
 28681 TGTGCACATT TGCATTATTT GTCAGCTTTT TAAACGCTGG GGTGCGCCAC CAAGATGATT
 28741 AGGTACATAA TCCTAGGTTT ACTCACCTTT GCGTCAGCCC ACGGTACCAC CCAAAGGTG
 28801 GATTTTAAGG AGCCAGCCTG TAATGTTACA TTCGAGCTG AAGCTAATGA GTGCACCACT
 28861 CTTATAAAAT GCACCACAGA ACATGAAAAG CTGCTTATTC GCCACAAAAA CAAAATTGGC
 28921 AAGTATGCTG TTTATGCTAT TTGGCAGCCA GGTGACACTA CAGAGTATAA TGTTACAGTT
 28981 TTCCAGGGTA AAAGTCATAA AACTTTTATG TATACTTTTC CATTTTATGA AATGTGCGAC
 29041 ATTACCATGT ACATGAGCAA ACAGTATAAG TTGTGGCCCC CACAAAATTG TGTGAAAAAC
 29101 ACTGGCACTT TCTGCTGCAC TGCTATGCTA ATTACAGTGC TCGCTTTGGT CTGTACCCTA
 29161 CTCTATATTA AATACAAAAG CAGACGCAGC TTTATTGAGG AAAAGAAAAT GCCTTAATTT
 29221 ACTAAGTTAC AAAGCTAATG TCACCACTAA CTGCTTTACT CGCTGCTTGC AAAACAAATT
 29281 CAAAAAGTTA GCATTATAAT TAGAATAGGA TTAAACCCC CCGGTCATTT CCTGCTCAAT
 29341 ACCATTCCCC TGAACAATTG ATCTATGTG GGAATGCTC CAGCGCTACA ACCTTGAAGT
 29401 CAGGCTTCCT GGATGTCAGC ATCTGACTTT GGCCAGCACC TGTCCCGCGG ATTTGTTCCA
 29461 GTCCAACCTAC AGCGACCCAC CCTAACAGAG ATGACCAACA CAACCAACGC GGCCGCCGCT
 29521 ACCGGACTTA CATCTACCAC AAATACACCC CAAGTTTCTG CCTTTGTCAA TAACTGGGAT
 29581 AACTTGGGCA TGTGGTGGTT CTCCATAGCG CTTATGTTTG TATGCCTTAT TATTATGTGG
 29641 CTCATCTGCT GCCTAAAGCG CAAACGCGCC CGACCACCCA TCTATAGTCC CATCATGTG
 29701 CTACACCCAA ACAATGATGG AATCCATAGA TTGGACGGAC TGAAACACAT GTTCTTTTCT
 29761 CTTACAGTAT GATTAAATGA GACATGATTC CTCGAGTTT TATATTACTG ACCCTTGTG
 29821 CGCTTTTTTG TGCGTGCTCC ACATTGGCTG CGGTTTCTCA CATCGAAGTA CACTGCATTC
 29881 CAGCCTTTCAC AGTCTATTTG CTTTACGGAT TTGTCACCCT CACGCTCATC TGCAGCCTCA
 29941 TCACTGTGGT CATCGCCTTT ATCCAGTGCA TTGACTGGGT CTGTGTGCGC TTTGCATATC
 30001 TCAGACACCA TCCCCAGTAC AGGGACAGGA CTATAGCTGA GCTTCTTAGA ATTCTTTAAT

FIGURE 21
(SHEET 9)

30061	TATGAAATTT	ACTGTGACTT	TTCTGCTGAT	TATTTGCACC	CTATCTGCGT	TTTGTTCCCC
30121	GACCTCCAAG	CCTCAAAGAC	ATATATCATG	CAGATTCACT	CGTATATGGA	ATATTCCAAG
30181	TTGCTACAAT	GAAAAAAGCG	ATCTTTCCGA	AGCCTGGTTA	TATGCAATCA	TCTCTGTTAT
30241	GGTGTCTGTC	AGTACCATCT	TAGCCCTAGC	TATATATCCC	TACCTTGACA	TTGGCTGGAA
30301	ACGAATAGAT	GCCATGAACC	ACCCAACCTT	CCCCGCGCCC	GCTATGCTTC	CACTGCAACA
30361	AGTTGTTGCC	GGCGGCTTTG	TCCCAGCCAA	TCAGCCTCGC	CCCACCTCTC	CCACCCCCAC
30421	TGAAATCAGC	TACTTTAATC	TAACAGGAGG	AGATGACTGA	CACCCTAGAT	CTAGAAATGG
30481	ACGGAATTAT	TACAGAGCAG	CGCCTGCTAG	AAAGACGCAG	GGCAGCGGCC	GAGCAACAGC
30541	GCATGAATCA	AGAGCTCCAA	GACATGGTTA	ACTTGCACCA	GTGCAAAAGG	GGTATCTTTT
30601	GTCTGGTAAA	GCAGGCCAAA	GTCACCTACG	ACAGTAATAC	CACCGGACAC	CGCCTTAGCT
30661	ACAAGTTGCC	AACCAAGCGT	CAGAAATTGG	TGGTCATGGT	GGGAGAAAAG	CCCATTACCA
30721	TAACCTCAGCA	CTCGGTAGAA	ACCGAAGGCT	GCATTCACTC	ACCTTGTCAG	GGACCTGAGG
30781	ATCTCTGCAC	CCTTATTAAG	ACCCTGTGCG	GTCTCAAAGA	TCTTATTCCC	TTAACTAAT
30841	AAAAAAAAT	AATAAAGCAT	CACCTTATTA	AAATCAGTTA	GCAAATTTCT	GTCCAGTTTA
30901	TTCAGCAGCA	CCTCCTTGCC	CTCCTCCCAG	CTCTGGTATT	GCAGCTTCCT	CCTGGCTGCA
30961	AACTTTCTCC	ACAATCTAAA	TGGAATGTCA	GTTTCCTCCT	GTTCTGTGCC	ATCCGCACCC
31021	ACTATCTTCA	TGTTGTTGCA	GATGAAGCGC	GCAAGACCGT	CTGAAGATAC	CTTCAACCCC
31081	GTGTATCCAT	ATGACACGGA	AACCGGTCCT	CCAACCTGTG	CTTTTCTTAC	TCCTCCCTTT
31141	GTATCCCCCA	ATGGGTTTCA	AGAGAGTCCC	CCTGGGGTAC	TCTCTTTGCG	CCTATCCGAA
31201	CCTCTAGTTA	CCTCCAATGG	CATGCTTGCG	CTCAAAATGG	GCAACGGCCT	CTCTCTGGAC
31261	GAGGCCGGCA	ACCTTACCTC	CCAAAATGTA	ACCACTGTGA	GCCACCTCT	CAAAAAAACC
31321	AAGTCAAACA	TAAACCTGGA	AATATCTGCA	CCCCTCACAG	TTACCTCAGA	AGCCCTAAT
31381	GTGGCTGCCG	CCGCACCTCT	AATGGTCGCG	GGCAACACAC	TCACCATGCA	ATCACAGGCC
31441	CCGCTAACCG	TGCACGACTC	CAAACTTAGC	ATTGCCACCC	AAGGACCCCT	CACAGTGTCA
31501	GAAGGAAAAG	TAGCCCTGCA	AACATCAGGC	CCCCTCACCA	CCACCGATAG	CAGTACCCTT
31561	ACTATCACTG	CCTCACCCCC	TCTAACTACT	GCCACTGGTA	GCTTGGGCAT	TGACTTGAAA
31621	GAGCCCATTT	ATACACAAAA	TGGAAAATA	GGACTAAAGT	ACGGGGCTCC	TTTGCATGTA
31681	ACAGACGACC	TAAACACTTT	GACCGTAGCA	ACTGGTCCAG	GTGTGACTAT	TAATAATACT
31741	TCCTTGCAAA	CTAAAGTTAC	TGGAGCCTTG	GGTTTTGATT	CACAAGGCAA	TATGCAACTT
31801	AATGTAGCAG	GAGGACTAAG	GATTGATTCT	CAAAACAGAC	GCCTTATACT	TGATGTTAGT
31861	TATCCGTTTG	ATGCTCAAAA	CCAATAAAT	CTAAGACTAG	GACAGGGCCC	TCTTTTTATA
31921	AACTCAGCCC	ACAACCTGGA	TATTAACCTA	AACAAAGGCC	TTACTTGTG	TACAGCTTCA
31981	AACAATTCCA	AAAAGCTTGA	GGTTAACCTA	AGCACTGCCA	AGGGGTGTAT	GTTTGACGCT
32041	ACAGCCATAG	CCATTAATGC	AGGAGATGGG	CTTGAATTTG	GTTCACCTAA	GTTCACCAAC
32101	ACAAATCCCC	TCAAAACAAA	AATTGGCCAT	GGCCTAGAAT	TTGATTCAAA	CAAGGCTATG
32161	GTTCTTAAAC	TAGGAACTGG	CCTTAGTTTT	GACAGCACAG	GTGCCATTAC	AGTAGGAAAC
32221	AAAAATAATG	ATAAGCTAAC	TTTGTGGACC	ACACCAGCTC	CATCTCCTAA	CTGTAGACTA
32281	AATGCAGAGA	AAGATGCTAA	ACTCACTTTG	GTCTTAACAA	AATGTGGCAG	TCAAATACTT
32341	GCTACAGTTT	CAGTTTGGC	TGTTAAAGGC	AGTTTGGCTC	CAATATCTGG	AACAGTTCAA
32401	AGTGCTCATC	TTATTATAAG	ATTTGACGAA	AATGGAGTGC	TACTAAACAA	TTCTTCCCTG
32461	GACCCAGAAT	ATTGGAACCT	TAGAAATGGA	GATCTTACTG	AAGGCACAGC	CTATACAAAC
32521	GCTGTTGGAT	TTATGCCTAA	CCTATCAGCT	TATCCAAAAT	CTCACGGTAA	AACTGCCAAA
32581	AGTAACATTG	TCAGTCAAGT	TTACTTAAAC	GGAGACAAAA	CTAAACCTGT	AACACTAACC
32641	ATTACACTAA	ACGGTACACA	GGAAACAGGA	GACACAACCTC	CAAGTGCATA	CTCTATGTCA
32701	TTTTCATGGG	ACTGGTCTGG	CAACAACCTAC	ATTAATGAAA	TATTTGCCAC	ATCCTCTTAC
32761	ACTTTTTTCAT	ACATTGCCCA	AGAATAAAGA	ATCGTTTGTG	TTATGTTTCA	ACGTGTTTAT
32821	TTTTCAATTG	CAGAAAATTT	CAAGTCATTT	TTCATTTCAGT	AGTATAGCCC	CACCACCACA
32881	TAGCTTATAC	AGATCACCGT	ACCTTAATCA	AACTCACAGA	ACCCTAGTAT	TCAACCTGCC
32941	ACCTCCCTCC	CAACACACAG	AGTACACAGT	CCTTTCTCCC	CGGCTGGCCT	TAAAAAGCAT
33001	CATATCATGG	GTAACAGACA	TATTCTTAGG	TGTTATATTC	CACACGGTTT	CCTGTCGAGC
33061	CAAACGCTCA	TCAGTGATAT	TAATAAACTC	CCCGGGCAGC	TCACTTAAGT	TCATGTCGCT
33121	GTCCAGCTGC	TGAGCCACAG	GCTGCTGTCC	AACTTGCGGT	TGCTTAACGG	GCGGCGAAGG
33181	AGAAGTCCAC	GCCTACATGG	GGGTAGAGTC	ATAATCGTGC	ATCAGGATAG	GGCGGTGGTG
33241	CTGCAGCAGC	GCGCGAATAA	ACTGCTGCCG	CCGCCGCTCC	GTCTGTCAGG	AATACAACAT
33301	GGCAGTGGTC	TCCTCAGCGA	TGATTGCGAC	CGCCCGCAGC	ATAAGGCGCC	TTGTCTCCG
33361	GGCACAGCAG	CGCACCCCTGA	TCTCACTTAA	ATCAGCACAG	TAACTGCAGC	ACAGCACCAC
33421	AATATTGTTT	AAAATCCCAC	AGTGCAAGGC	GCTGTATCCA	AAGCTCATGG	CGGGGACCAC

FIGURE 21
(SHEET 10)

33481 AGAACCCACG TGGCCATCAT ACCACAAGCG CAGGTAGATT AAGTGGCGAC CCCTCATAAA
33541 CACGCTGGAC ATAAACATTA CCTCTTTTGG CATGTTGTAA TTCACCACCT CCCGGTACCA
33601 TATAAACCTC TGATTAAACA TGGCGCCATC CACCACCATC CTAAACCAGC TGGCCAAAAC
33661 CTGCCC GCCG GCTATACACT GCAGGGAACC GGGACTGGAA CAATGACAGT GGAGAGCCCA
33721 GGA CTGTA CCATGGATCA TCATGCTCGT CATGATATCA ATGTTGGCAC AACACAGGCA
33781 CACGTGCATA CACTTCCTCA GGATTACAAG CTCCTCCCGC GTTAGAACCA TATCCCAGGG
33841 AACAAACCAT TCCTGAATCA GCGTAAATCC CACACTGCAG GGAAGACCTC GCACGTAACCT
33901 CACGTTGTGC ATTGTCAAAG TGTTACATTC GGGCAGCAGC GGATGATCCT CCAGTATGGT
33961 AGCGCGGGTT TCTGTCTCAA AAGGAGGTAG ACGATCCCTA CTGTACGGAG TGCGCCGAGA
34021 CAACCGAGAT CGTGTGGTC GTAGTGTTCAT GCCAAATGGA ACGCCGGACG TAGTCATATT
34081 TCCTGAAGCA AAACCAGGTG CGGGCGTGAC AAACAGATCT GCGTCTCCGG TCTCGCCGCT
34141 TAGATCGCTC TGTGTAGTAG TTGTAGTATA TCCACTCTCT CAAAGCATCC AGGCGCCCCC
34201 TGGCTTCGGG TTCTATGTAA ACTCCTTCAT GCGCCGCTGC CCTGATAACA TCCACCACCG
34261 CAGAATAAGC CACACCCAGC CAACCTACAC ATTCGTTCTG CGAGTCACAC ACGGAGGAG
34321 CGGGAAGAGC TGGAAGAACC ATGTTTTTTT TTTTATTCCA AAAGATTATC CAAAACCTCA
34381 AAATGAAGAT CTATTAAGTG AACGCGCTCC CTCCTCGTGG CGTGGTCAAA CTCTACAGCC
34441 AAAGAACAGA TAATGGCATT TGTAAGATGT TGCACAATGG CTTCCAAAAG GCAAACGGCC
34501 CTCACGTCCA AGTGGACGTA AAGGCTAAAC CCTTCAGGGT GAATCTCCTC TATAACATTT
34561 CCAGCACCTT CAACCATGCC CAAATAATTC TCATCTCGCC ACCTTCTCAA TATATCTCTA
34621 AGCAAATCCC GAATATTAAG TCCGGCCATT GTAAAAATCT GCTCCAGAGC GCCCTCCACC
34681 TTCAGCCTCA AGCAGCGAAT CATGATTGCA AAAATTCAGG TTCCTCACAG ACCTGTATAA
34741 GATTCAAAAAG CGGAACATTA AAAAAAATAC CGCGATCCCG TAGGTCCCTT CGCAGGGCCA
34801 GCTGAACATA ATCGTGCAGG TCTGCACGGA CCAGCGCGGC CACTTCCCCG CCAGGAACCT
34861 TGACAAAAGA ACCCACTG ATTATGACAC GCATACTCGG AGCTATGCTA ACCAGCGTAG
34921 CCCCAGTGTA AGCTTTGTTG CATGGGCGGC GATATAAAAT GCAAGGTGCT GCTCAAAAAA
34981 TCAGGCAAAG CCTCGCGCAA AAAAGAAAGC ACATCGTAGT CATGCTCATG CAGATAAAGG
35041 CAGGTAAGCT CCGGAACCAC CACAGAAAAA GACACCATTT TTCTCTCAA CATGTCTGCG
35101 GGTTTCTGCA TAAACACAAA ATAAAATAAC AAAAAAACAT TTAAACATTA GAAGCCTGTC
35161 TTACAACAGG AAAAAACAACC CTTATAAGCA TAAGACGGAC TACGGCCATG CCGGCGTGAC
35221 CGTAAAAAAA CTGGTCACCG TGATTAAAAA GCACCACCGA CAGCTCCTCG GTCATGTCCG
35281 GAGTCATAAT GTAAGACTCG GTAAACACAT CAGGTTGATT CATCGGTCAG TGCTAAAAAG
35341 CGACCGAAAT AGCCCGGGGG AATACATACC CGCAGGCGTA GAGACAACAT TACAGCCCCC
35401 ATAGGAGGTA TAACAAAATT AATAGGAGAG AAAAAACACAT AAACACCTGA AAAACCCCTC
35461 TGCCTAGGCA AAATAGCACC CTCCCGCTCC AGAACAACAT ACAGCGCTTC ACAGCGGCAG
35521 CCTAACAGTC AGCCTTACCA GTAAAAAGA AAACCTATTA AAAAAACACC ACTCGACACG
35581 GCACCAGCTC AATCAGTCAC AGTGTAAGAA AGGGCCAAGT GCAGAGCGAG TATATATAGG
35641 ACTAAAAAAT GACGTAACGG TTAAAGTCCA CAAAAACAC CCAGAAAACC GCACGCGAAC
35701 CTACGCCCAG AAACGAAAGC CAAAAACCC ACAACTTCCT CAAATCGTCA CTTCCGTTTT
35761 CCCACGTTAC GTAACCTCCC ATTTTAAGAA AACTACAATT CCCAACACAT ACAAGTTACT
35821 CCGCCCTAAA ACCTACGTCA CCGCCCCGT TCCCACGCCC CGCGCCACGT CACAACTCC
35881 ACCCCCTCAT TATCATATTG GCTTCAATCC AAAATAAGGT ATATTATTGA TGATG

FIGURE 21
(SHEET 11)

LOCUS KD1 33592 bp DNA SYN 28-APR-1999
 DEFINITION KD1
 ACCESSION KD1
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown
 Unclassified.
 REFERENCE 1 (bases 1 to 33592)
 AUTHORS Self
 JOURNAL Unpublished.
 FEATURES Location/Qualifiers
 CDS 1..33592
 /gene="KD1"
 /product="KD1"
 BASE COUNT 7744 a 9470 c 9285 g 7093 t
 ORIGIN

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    1 CATCATCAAT AATATACCTT ATTTTGGATT GAAGCCAATA TGATAATGAG GGGGTGGAGT
    61 TTGTGACGTG GCGCGGGGCG TGGGAACGGG GCGGGTGACG TAGTAGTGTG GCGGAAGTGT
   121 GATGTTGCAA GTGTGGCGGA ACACATGTAA GCGACGGATG TGGCAAAAGT GACGTTTTTG
   181 GTGTGCGCCG GTGTACACAG GAAGTGACAA TTTTCGCGCG GTTTTAGGCG GATGTTGTAG
   241 TAAATTTGGG CGTAACCGAG TAAGATTTGG CCATTTTCGC GGGAAACTG AATAAGAGGA
   301 AGTGAAATCT GAATAATTTT GTGTTACTCA TAGCGCGTAA TATTTGTCTA GGGCCGCGGG
   361 GACTTTGACC GTTTACGTGG AGACTCGCCC AGGTGTTTTT CTCAGGTGTT TTCCGCGTTC
   421 CGGGTCAAAG TTGGCGTTTT ATTATTATAG TCAGCTGACG TGTAGTGTAT TTATACCCGG
   481 TGAGTTCCTC AAGAGGCCAC TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
   541 TCCGACACCG GGA CTGAAAA TGAGACATGA GGTACTGGCT GATAATCTTC CACCTCCTAG
   601 CCATTTTGAA CCACCTACCC TTCACGAACT GTATGATTTA GACGTGACGG CCCCCGAAGA
   661 TCCCAACGAG GAGGCGGTTT CGCAGATTTT TCCCGACTCT GTAATGTTGG CGGTGCAGGA
   721 AGGGATTGAC TTA CTCACTT TTCCGCCGGC GCCCGGTTCT CCGGAGCCGC CTCACCTTTC
   781 CCGGCAGCCC GAGCAGCCGG AGCAGAGAGC CTTGGGTCCG GTTTGCCACG AGGCTGGCTT
   841 TCCACCCAGT GACGACGAGG ATGAAGAGGG TGAGGAGTTT GTGTTAGATT ATGTGGAGCA
   901 CCCCGGGCAC GGTTGCAGGT CTTGTCATTA TCACCGGAGG AATACGGGGG ACCCAGATAT
   961 TATGTGTTTC CTTTGCTATA TGAGGACCTG TGGCATGTTT GTCTACAGTA AGTGAAATTT
  1021 ATGGGCAGTG GGTGATAGAG TGGTGGGTTT GGTGTGGTAA TTTTTTTTT AATTTTTTACA
  1081 GTTTTGTGGT TTAAAGAATT TTGTATTGTG ATTTTTTTAA AAGTCCCTGT GTCTGAACCT
  1141 GAGCCTGAGC CCGAGCCAGA ACCGGAGCCT GCAAGACCTA CCCGCCGTCC TAAAATGGCG
  1201 CCTGCTATCC TGAGACGCCC GACATCACCT GTGTCTAGAG AATGCAATAG TAGTACGGAT
  1261 AGCTGTGACT CCGGTCCTTC TAACACACCT CCTGAGATAC ACCCGGTGGT CCCGCTGTGC
  1321 CCCATTAAAC CAGTTGCCGT GAGAGTTGGT GGGCGTCGCC AGGCTGTGGA ATGTATCGAG
  1381 GACTTGCTTA ACGAGCCTGG GCAACCTTTG GACTTGAGCT GTAAACGCCC CAGGCCATAA
  1441 GGTGTAAACC TGTGATGCG TGTGTGGTTA ACGCCTTTGT TTGCTGAATG AGTTGATGTA
  1501 AGTTTAATAA AGGGTGAGAT AATGTTTAAAC TTGCATGGCG GTTTAAATGG GCGGGGGCTT
  1561 AAAGGGTATA TAATGCGCCG TGGGCTAATC TTGGTTACAT CTGACCTCAT GGAGGCTTGG
  1621 GAGTGTTTGG AAGATTTTTT TGCTGTGCGT AACTTGCTGG AACAGAGCTC TAACAGTACC
  1681 TCTTGGTTTT GGAGGTTTCT GTGGGGCTCA TCCAGGCAA AGTTAGTCTG CAGAATTAAG
  1741 GAGGATTACA AGTGGAATT TGAAGAGCTT TTGAAATCCT GTGGTGAGCT GTTTGATTCT
  1801 TTGAATCTGG GTCACCAGGC GCTTTTCCAA GAGAAGGTCA TCAAGACTTT GGATTTTTTC
  1861 ACACCGGGGC GCGCTGCGGC TGCTGTTGCT TTTTTGAGTT TTATAAAGGA TAAATGGAGC
  1921 GAAGAAACCC ATCTGAGCGG GGGGTACCTG CTGGATTTTC TGGCCATGCA TCTGTGGAGA
  1981 GCGGTTGTGA GACACAAGAA TCGCCTGCTA CTGTTGTCTT CCGTCCGCCC GCGGATAATA
  2041 CCGACGAGG AGCAGCAGCA GCAGCAGGAG GAAGCCAGGC GCGGCGGCA GGAGCAGAGC
  2101 CCATGGAACC CGAGAGCCGG CCTGGACCCT CGGGAATGAA TGTTGTACAG GTGGCTGAAC
  2161 TGTATCCAGA ACTGAGACGC ATTTTGACAA TTACAGAGGA TGGCAGGGG CTAAAGGGGG
  2221 TAAAGAGGGA GCGGGGGGCT TGTGAGGCTA CAGAGGAGC TAGGAATCTA GCTTTTAGCT
  2281 TAATGACCAG ACACCGTCCT GAGTGTATTA CTTTTCAACA GATCAAGGAT AATTGCGCTA
  2341 ATGAGCTTGA TCTGCTGGCG CAGAAGTATT CCATAGAGCA GCTGACCACT TACTGGCTGC
  2401 AGCCAGGGGA TGATTTTGAG GAGGCTATTA GGGTATATGC AAAGGTGGCA CTTAGGCCAG
  
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FIGURE 22
 (SHEET 1)

2461	ATTGCAAGTA	CAAGATCAGC	AAACTTGTA	ATATCAGGAA	TTGTTGCTAC	ATTTCTGGGA
2521	ACGGGGCCGA	GGTGGAGATA	GATACGGAGG	ATAGGGTGCC	CTTTAGATGT	AGCATGATAA
2581	ATATGTGGCC	GGGGGTGCTT	GGCATGGACG	GGGTGGTTAT	TATGAATGTA	AGGTTTACTG
2641	GCCCCAATTT	TAGCGGTACG	GTTTTCTCTG	CCAATACCAA	CCTTATCCTA	CACGGTGTAA
2701	GCTTCTATGG	GTTTAACAAT	ACCTGTGTGG	AAGCCTGGAC	CGATGTAAGG	GTTCCGGGCT
2761	GTGCCTTTTA	CTGCTGCTGG	AAGGGGGTGG	TGTGTCGCCC	CAAAAGCAGG	GCTTCAATTA
2821	AGAAATGCCT	CTTTGAAAGG	TGTACCTTGG	GTATCCTGTC	TGAGGGTAAC	TCCAGGGTGC
2881	GCCACAATGT	GGCCTCCGAC	TGTGGTTGCT	TCATGCTAGT	GAAAAGCGTG	GCTGTGATTA
2941	AGCATAACAT	GGTATGTGGC	AACTGCGAGG	ACAGGGCCTC	TCAGATGCTG	ACCTGCTCGG
3001	ACGGCAACTG	TCACCTGCTG	AAGACCATTC	ACGTAGCCAG	CCACTCTCGC	AAGGCCTGGC
3061	CAGTGTTTGA	GCATAACATA	CTGACCCGCT	GTTCCCTTGCA	TTTGGGTAAC	AGGAGGGGGG
3121	TGTTCTTACC	TTACCAATGC	AATTTGAGTC	ACACTAAGAT	ATTGCTTGAG	CCCGAGAGCA
3181	TGTCCAAGGT	GAACCTGAAC	GGGGTGTGTT	ACATGACCAT	GAAGATCTGG	AAGGTGCTGA
3241	GGTACGATGA	GACCCGCACC	AGGTGCAGAC	CCTGCGAGTG	TGGCGGTAAA	CATATTAGGA
3301	ACCAGCCTGT	GATGCTGGAT	GTGACCGAGG	AGCTGAGGCC	CGATCACTTG	GTGCTGGCCT
3361	GCACCCGCGC	TGAGTTTGGC	TCTAGCGATG	AAGATACAGA	TTGAGGTACT	GAAATGTGTG
3421	GGCGTGGCTT	AAGGGTGGGA	AAGAATATAT	AAGGTGGGGG	TCTTATGTAG	TTTTGTATCT
3481	GTTTTGCAGC	AGCCGCCGCC	GCCATGAGCA	CCAACCTCGT	TGATGGAAGC	ATTGTGAGCT
3541	CATATTTGAC	AACGCGCATG	CCCCCATGGG	CCGGGGTGCG	TCAGAATGTG	ATGGGCTCCA
3601	GCATGTATGG	TCGCCCCGTC	CTGCCCGCAA	ACTCTACTAC	CTTGACCTAC	GAGACCGTGT
3661	CTGGAACGCC	GTTGGAGACT	GCAGCCTCCG	CCGCCGCTTC	AGCCGCTGCA	GCCACCGCCC
3721	GCGGGATTGT	GACTGACTTT	GCTTTCCTGA	GCCCCTTGTC	AAGCAGTGCA	GCTTCCCGTT
3781	CATCCGCCCG	CGATGACAAG	TTGACGGCTC	TTTTGGCACA	ATTGGATTCT	TTGACCCGGG
3841	AACTTAATGT	CGTTTCTCAG	CAGCTGTTGG	ATCTGCGCCA	GCAGGTTTCT	GCCTTGAAGG
3901	CTTCCCTCCC	TCCCAATGCG	GTTTAAACAA	TAAATAAAAA	ACCAGACTCT	GTTTGGATTT
3961	GGATCAAGCA	AGTGTCTTGC	TGCTTTTATT	TAGGGGTTTT	GCGCGCGCGG	TAGGCCCGGG
4021	ACCAGCGGTC	TCGGTCGTTG	AGGGTCCTGT	GTATTTTTTC	CAGGACGTGG	TAAAGGTGAC
4081	TCTGGATGTT	CAGATACATG	GGCATAAGCC	CGTCTCTGGG	GTGGAGGTAG	CACCACTGCA
4141	GAGCTTCATG	CTGCGGGGTG	GTGTTGTAGA	TGATCCAGTC	GTAGCAGGAG	CGCTGGGCGT
4201	GGTGCCTAAA	AATGTCTTTC	AGTAGCAAGC	TGATTGCCAG	GGGCAGGCCC	TTGGTGTAAG
4261	TGTTTACAAA	GCGGTAAAGC	TGGGATGGGT	GCATACGTGG	GGATATGAGA	TGCATCTTGG
4321	ACTGTATTTT	TAGGTTGGCT	ATGTTCCCAG	CCATATCCCT	CCGGGGATTG	ATGTTGTGCA
4381	GAACCACCAG	CACAGTGTAT	CCGGTGCAT	TGGGAAATTT	GTCATGTAGC	TTAGAAGGAA
4441	ATGCGTGGAA	GAACCTGGAG	ACGCCCTTGT	GACCTCCAAG	ATTTTCCATG	CATTCTGTCA
4501	TAATGATGGC	AATGGGCCCA	CGGGCGGCGG	CCTGGGCGAA	GATATTTCTG	GGATCACTAA
4561	CTTCATAGTT	GTGTTCCAGG	ATGAGATCGT	CATAGGCCAT	TTTTTCAAAG	CGCGGGCGGA
4621	GGGTGCCAGA	CTGCGGTATA	ATGGTTCCAT	CCGGCCCAGG	GGCGTAGTTA	CCCTCACAGA
4681	TTTGCAATTC	CCACGCTTTG	AGTTCAGATG	GGGGGATCAT	GTCTACCTGC	GGGGCGATGA
4741	AGAAAACGGT	TTCCGGGGTA	GGGGAGATCA	GCTGGGAAGA	AAGCAGGTTC	CTGAGCAGCT
4801	GCGACTTACC	GCAGCCGGTG	GGCCCGTAAA	TCACACCTAT	TACCGGGTGC	AACTGGTAGT
4861	TAAGAGAGCT	GCAGCTGCCG	TCATCCCTGA	GCAGGGGGGC	CACTTCGTTA	AGCATGTCCC
4921	TGACTCGCAT	GTTTTCCCTG	ACCAAATCCG	CCAGAAGGCG	CTCGCCGCC	AGCGATAGCA
4981	GTTCTTGCAA	GGAAGCAAAG	TTTTTCAACG	GTTTGAGACC	GTCCGCCGTA	GGCATGCTTT
5041	TGAGCGTTTG	ACCAAGCAGT	TCCAGGCGGT	CCCACAGCTC	GGTCACCTGC	TCTACGGCAT
5101	CTCGATCCAG	CATATCTCCT	CGTTTCGCGG	GTTGGGGCGG	CTTTCGCTGT	ACGGCAGTAG
5161	TCGGTGCTCG	TCCAGACGGG	CCAGGGTCAT	GTCTTTCCAC	GGGCGCAGGG	TCCTCGTCAG
5221	CGTAGTCTGG	GTCACGGTGA	AGGGGTGCGC	TCCGGGCTGC	GCGCTGGCCA	GGGTGCGCTT
5281	GAGGCTGGTC	CTGCTGGTGC	TGAAGCGCTG	CCGGTCTTCG	CCCTGCGCGT	CGGCCAGGTA
5341	GCATTTGACC	ATGGTGTGAT	AGTCCAGCCC	CTCCGCGGCG	TGGCCCTTGG	CGCGCAGCTT
5401	GCCCTTGGAG	GAGGCGCCGC	ACGAGGGGCA	GTGCAGACTT	TTGAGGGCGT	AGAGCTTGGG
5461	CGCGAGAAAT	ACCGATTCCG	GGGAGTAGGC	ATCCGCGCCG	CAGGCCCCGC	AGACGGTCTC
5521	GCATTCCACG	AGCCAGGTGA	GCTCTGGCCG	TTCGGGGTCA	AAAACCAGGT	TTCCCCCATG
5581	CTTTTTGATG	CGTTTCTTAC	CTCTGGTTTC	CATGAGCCGG	TGTCCACGCT	CGGTGACGAA
5641	AAGGCTGTCC	GTGTCCCCGT	ATACAGACTT	GAGAGGCCTG	TCCTCGAGCG	GTGTTCCGCG
5701	GTCCTCTCTG	TATAGAAACT	CGGACCACTC	TGAGACAAAG	GCTCGCGTCC	AGGCCAGCAC
5761	GAAGGAGGCT	AAGTGGGAGG	GGTAGCGGTC	GTTGTCCACT	AGGGGGTCCA	CTCGCTCCAG
5821	GGTGTGAAGA	CACATGTCGC	CCTCTTCGGC	ATCAAGGAAG	GTGATTGGTT	TGTAGGTGTA

FIGURE 22
(SHEET 2)

5881	GGCCACGTGA	CCGGGTGTTC	CTGAAGGGGG	GCTATAAAAG	GGGGTGGGGG	CGCGTTCGTC
5941	CTCACTCTCT	TCCGCATCGC	TGTCTGCGAG	GGCCAGCTGT	TGGGGTGGAGT	ACTCCCTCTG
6001	AAAAGCGGGC	ATGACTTCTG	CGCTAAGATT	GTCAGTTTCC	AAAAACGAGG	AGGATTTGAT
6061	ATTACCTGG	CCC CGCGTGA	TGCCTTTGAG	GGTGGCCGCA	TCCATCTGGT	CAGAAAAGAC
6121	AATCTTTTG	TTGTCAAGCT	TGGTGGCAAA	CGACCCGTAG	AGGGCGTTGG	ACAGCAACTT
6181	GGCGATGGAG	CGCAGGGTTT	GGTTTTTTGTC	GCGATCGGCG	CGCTCCTTGG	CCGCGATGTT
6241	TAGCTGCACG	TATTCGCGCG	CAACGCACCG	CCATTCGGGA	AAGACGGTGG	TGCGCTCGTC
6301	GGGCACCAGG	TGCACGCGCC	AACCGCGGTT	GTGCAGGGTG	ACAAGGTCAA	CGCTGGTGGC
6361	TACCTCTCCG	CGTAGGCGCT	CGTTGGTCCA	GCAGAGGCGG	CCGCCCTTGC	GCGAGCAGAA
6421	TGGCGGTAGG	GGGTCTAGCT	GCGTCTCGTC	CGGGGGGTCT	GCGTCCACGG	TAAAGACCCC
6481	GGGCAGCAGG	CGCGCGTCGA	AGTAGTCTAT	CTTGCATCCT	TGCAAGTCTA	GCGCCTGCTG
6541	CCATGCGCGG	GCGGCAAGCG	CGCGCTCGTA	TGGGTTGAGT	GGGGGACCCC	ATGGCATGGG
6601	GTGGGTGAGC	GCGGAGGCGT	ACATGCCGCA	AATGTCGTAA	ACGTAGAGGG	GCTCTCTGAG
6661	TATTTCCAAGA	TATGTAGGGT	AGCATCTTCC	ACCGCGGATG	CTGGCGCGCA	CGTAATCGTA
6721	TAGTTTCGTG	GAGGGAGCGA	GGAGGTCGGG	ACCGAGGTTG	CTACGGGCGG	GCTGCTCTGC
6781	TCGGAAGACT	ATCTGCCTGA	AGATGGCATG	TGAGTTGGAT	GATATGGTTG	GACGCTGGAA
6841	GACGTTGAAG	CTGGCGTCTG	TGAGACCTAC	CGCGTCACGC	ACGAAGGAGG	CGTAGGAGTC
6901	GCGCAGCTTG	TTGACCAGCT	CGGCGGTGAC	CTGCACGTCT	AGGGCGCAGT	AGTCCAGGGT
6961	TTCCTTGATG	ATGTCATACT	TATCCTGTCC	CTTTTTTTTC	CACAGCTCGC	GGTTGAGGAC
7021	AAACTCTTCG	CGGTCTTTCC	AGTACTCTTG	GATCGGAAAC	CCGTCCGGCT	CCGAACGGTA
7081	AGAGCCTAGC	ATGTAGAACT	GGTTGACGGC	CTGGTAGGCG	CAGCATCCCT	TTTCTACGGG
7141	TAGCGCGTAT	GCCTGCGCGG	CCTTCCGGAG	CGAGGTGTGG	GTGAGCGCAA	AGGTGTCCCT
7201	GACCATGACT	TTGAGGTACT	GGTATTTGAA	GTCAGTGTGC	TGCGATCCGC	CCTGCTCCCA
7261	GAGCAAAAAG	TCCGTGCGCT	TTTTGGAACG	CGGATTTGGC	AGGGCGAAGG	TGACATCGTT
7321	GAAGAGTATC	TTTCCCGCGC	GAGGCATAAA	GTTGCGTGTG	ATGCGGAAGG	GTCCCGGCAC
7381	CTCGGAACGG	TTGTTAATTA	CCTGGGCGGC	GAGCACGATC	TCGTCAAAGC	CGTTGATGTT
7441	GTGGCCCA	ATGTAAAGTT	CCAAGAAGCG	CGGGATGCCC	TTGATGGAAG	GCAATTTTTT
7501	AAGTTCCCTG	TAGGTGAGCT	CCTCAGGGGA	GCTGAGCCCG	TGCTCTGAAA	GGGCCAGTCC
7561	TGCAAGATGA	GGGTGGAAG	CGACGAATGA	GCTCCACAGG	TCACGGGCCA	TTAGCATTTG
7621	CAGGTGGTCC	CGAAAAGGTCC	TAAACTGGCG	ACCTATGGCC	ATTTTTTCTG	GGGTGATGCA
7681	GTAAGAGGTA	AGCGGGTCTT	GTTCCCGAGC	GTCCCATCCA	AGGTTCCGCG	CTAGGTCTCG
7741	CGCGGCAGTC	ACTAGAGGCT	CATCTCCGCC	GAACCTCATG	ACCAGCATGA	AGGGCACGAG
7801	CTGCTTCCCA	AAGGCCCCCA	TCCAAGTATA	GGTCTCTACA	TCGTAGGTGA	CAAAGAGACG
7861	CTCGGTGCGA	GGATGCGAGC	CGATCGGGAA	GAACCTGGATC	TCCCGCCACC	AATTGGAGGA
7921	GTGGCTATTG	ATGTGGTGAA	AGTAGAAGTC	CCTGCGACGG	GCCGAACACT	CGTGCTGGCT
7981	TTTGTAATAA	CGTGCGCAGT	ACTGGCAGCG	GTGCACGGGC	TGTACATCCT	GCACGAGGTT
8041	GACCTGACGA	CCGCGCACAA	GGAAGCAGAG	TGGGAATTTG	AGCCCTCTCG	CTGGCGGGTT
8101	TGGCTGGTGG	TCTTCTACTT	CGGCTGCTTG	TCCTTGACCG	TCTGGCTGCT	CGAGGGGAGT
8161	TACGGTGGAT	CGGACCACCA	CGCCGCGCGA	GCCCAAAGTC	CAGATGTCCG	CGCGCGGCGG
8221	TCGGAGCTTG	ATGACAACAT	CGCGCAGATG	GGAGCTGTCC	ATGGTCTGGA	GCTCCCGCGG
8281	CGTCAGGTCA	GGCGGGAGCT	CCTGCAGGTT	TACCTCGCAT	AGACGGGTCA	GGGCGCGGGC
8341	TAGATCCAGG	TGATACCTAA	TTTCCAGGGG	CTGGTTGGTG	GCGGCGTCTG	TGGCTTGCAA
8401	GAGGCCGCAT	CCCCGCGGCG	CGACTACGGT	ACCGCGCGGC	GGGCGGTGGG	CCGCGGGGGT
8461	GTCCTTGATG	GATGCATCTA	AAAGCGGTGA	CGCGGGCGAG	CCCCCGGAGG	TAGGGGGGGC
8521	TCCGGACCCG	CCGGGAGAGG	GGGCAGGGGC	ACGTCCGGCG	CGCGCGCGGG	CAGGAGCTGG
8581	TGCTGCGCGC	GTAGGTTGCT	GGCGAACGCG	ACGACGCGGC	GGTTGATCTC	CTGAATCTGG
8641	CGCCTCTGCG	TGAAGACGAC	GGGCCCCGGT	AGCTTGAGCC	TGAAAGAGAG	TTTCACAGAA
8701	TCAATTTCCG	TGTCGTTGAC	GGCGGCCCTG	CGCAAAATCT	CCTGCACGTC	TCTGAGTTG
8761	TCTTGATAGG	CGATCTCGGC	CATGAACTGC	TCGATCTCTT	CCTCCTGGAG	ATCTCCGCGT
8821	CCGGCTCGCT	CCACGGTGGC	GGCGAGGTCG	TTGGAAATGC	GGGCCATGAG	CTGCGAGAAG
8881	GCGTTGAGGC	CTCCCTCGTT	CCAGACGCGG	CTGTAGACCA	CGCCCCCTTC	GGCATCGCGG
8941	GCGCGCATGA	CCACCTGCGC	GAGATTGAGC	TCCACGTGCC	GGGCGAAGAC	GGCGTAGTTT
9001	CGCAGGCGCT	GAAAGAGGTA	GTTGAGGGTG	GTGGCGGTGT	GTTCTGCCAC	GAAGAAGTAC
9061	ATAACCCAGC	GTCGCAACGT	GGATTTCGTT	ATATCCCCCA	AGGCCTCAAG	GCGGTTCCAT
9121	GCCTCGTAGA	AGTCCACGCG	GAAGTTGAAA	AACTGGGAGT	TGCGCGCCGA	CACGGTTAAC
9181	TCCTCTCCA	GAAGACGGAT	GAGCTCGGCG	ACAGTGTGCG	GCACCTCGCG	CTCAAAGGCT
9241	ACAGGGGCCT	CTTCTTCTTC	TTCAATCTCC	TCTTCCATAA	GGGCCTCCCC	TTCTTCTTCT

FIGURE 22
(SHEET 3)

9301	TCTGGCGGCG	GTGGGGGAGG	GGGGACACGG	CGGCGACGAC	GGCGCACCGG	GAGGCGGTCTG
9361	ACAAAGCGCT	CGATCATCTC	CCCGCGGCGA	CGGCGCATGG	TCTCGGTGAC	GGCGCGGCCG
9421	TTCTCGCGGG	GGCGCAGTTG	GAAGACGCCG	CCCGTCATGT	CCCGGTTATG	GGTTGGCGGG
9481	GGGCTGCCAT	GCGGCAGGGA	TACGGCGCTA	ACGATGCATC	TCAACAATTG	TTGTGTAGGT
9541	ACTCCGCGCG	CGAGGGACCT	GAGCGAGTCC	GCATCGACCG	GATCGGAAAA	CCTCTCGAGA
9601	AAGGCGTCTA	ACCAGTCACA	GTCGCAAGGT	AGGCTGAGCA	CCGTGGCGGG	CGGCAGCGGG
9661	CGGCGGTCTG	GGTTGTTTCT	GGCGGAGGTG	CTGCTGATGA	TGTAATTAAA	GTAGGCGGTCT
9721	TTGAGACGGC	GGATGGTCGA	CAGAAGCACC	ATGTCCTTGG	GTCCGGCCTG	CTGAATGCGC
9781	AGGCGGTCTG	CCATGCCCCA	GGCTTCGTTT	TGACATCGGC	GCAGGTCTTT	GTAGTAGTCT
9841	TGCATGAGCC	TTTCTACCGG	CACCTCTTCT	TCTCCTTCCT	CTTGTCCTGC	ATCTCTTGCA
9901	TCTATCGCTG	CGGCGGCGGC	GGAGTTTGGC	CGTAGGTGGC	GCCCTCTTCC	TCCCATGCGT
9961	GTGACCCCGA	AGCCCCTCAT	CGGCTGAAGC	AGGGCTAGGT	CGGCGACAAC	GCGCTCGGCT
10021	AATATGGCCT	GCTGCACCTG	CGTGAGGGTA	GACTGGAAGT	CATCCATGTC	CACAAAGCGG
10081	TGGTATGCGC	CCGTGTTGAT	GGTGTAAGTG	CAGTTGGCCA	TAACGGACCA	GGTAACGGTC
10141	TGGTGACCCG	GCTGCGAGAG	CTCGGTGTAC	CTGAGACGCG	AGTAAGCCCT	CGAGTCAAAT
10201	ACGTGATCCG	TGCAAGTCCG	CACCAGGTAC	TGGTATCCCA	CCAAAAAGTG	CGGCGGCGGC
10261	TGGCGGTAGA	GGGGCCAGCG	TAGGGTGGCC	GGGGCTCCGG	GGGCGAGATC	TTCCAACATA
10321	AGGCGATGAT	ATCCGTAGAT	GTACCTGGAC	ATCCAGGTGA	TGCCGGCGGC	GGTGGTGGAG
10381	GCGCGCGGAA	AGTCGCGGAC	GCGGTTCCAG	ATGTTGCGCA	GCGGCAAAAA	GTGCTCCATG
10441	GTCGGGACGC	TCTGGCCGGT	CAGGCGCGCG	CAATCGTTGA	CGCTCTAGCG	TGCAAAAGGA
10501	GAGCCTGTAA	GCGGGCACTC	TTCCGTGGTC	TGGTGGATAA	ATTCGCAAGG	GTATCATGGC
10561	GGACGACCGG	GGTTCGAGCC	CCGTATCCGG	CCGTCCGCGG	TGATCCATGC	GGTTACCGCC
10621	CGCGTGTCGA	ACCCAGGTGT	GCGACGTCAG	ACAACGGGGG	AGTGCTCCTT	TTGGCTTCCT
10681	TCCAGGCGCG	GCGGCTGCTG	CGCTAGCTTT	TTTGCCCACT	GGCCGCGCGC	AGCGTAAGCG
10741	GTTAGGCTGG	AAAGCGAAAG	CATTAAGTGG	CTCGCTCCCT	GTAGCCGGAG	GGTTATTTTC
10801	CAAGGGTTGA	GTCGCGGGAC	CCCCGGTTCG	AGTCTCGGAC	CGGCCGGAAT	GCGGCGAACG
10861	GGGGTTTTGCC	TCCCCGTTCAT	CACAGACCCC	GCTTGCAAAT	TCCTCCGGAA	ACAGGGACGA
10921	GCCCCTTTTT	TGCTTTTCCC	AGATGCATCC	GGTGCTGCGG	CAGATGCGCC	CCCCCTCTCA
10981	GCAGCGGCAA	GAGCAAGAGC	AGCGGCAGAC	ATGCAGGGCA	CCCTCCCCCTC	CTCCTACCGC
11041	GTCAGGAGGG	GCGACATCCG	CGGTTGACGC	GGCAGCAGAT	GGTGATTACG	AACCCCCGCG
11101	GCGCCGGGCC	CGGCACTACC	TGGACTTGGA	GGAGGGCGAG	GGCCTGGCGC	GGCTAGGAGC
11161	GCCCTCTCCT	GAGCGGTACC	CAAGGGTGCA	GCTGAAGCGT	GATACGCGTG	AGGCGTACGT
11221	GCCGCGGCAG	AACCTGTTTC	GCGACCGCGA	GGGAGAGGAG	CCCGAGGAGA	TGCGGGATCG
11281	AAAGTTCCAC	GCAGGGCGCG	AGCTGCGGCA	TGGCCTGAAT	CGCGAGCGGT	TGCTGCGCGA
11341	GGAGGACTTT	GAGCCCCGAC	CGCGAACCGG	GATTAGTCCC	GCGCGCGCAC	ACGTGGCGGC
11401	CGCCGACCTG	GTAACCGCAT	ACGAGCAGAC	GGTGAACCAG	GAGATTAACT	TTCAAAAAAG
11461	CTTTAACAAC	CACGTGCGTA	CGCTTGTTGG	GCGCGAGGAG	GTGGCTATAG	GACTGATGCA
11521	TCTGTGGGAC	TTTGTAAGCG	CGCTGGAGCA	AAACCCAAAT	AGCAAGCCGC	TCATGGCGCA
11581	GCTGTTCCCT	ATAGTGCAGC	ACAGCAGGGA	CAACGAGGCA	TTCAGGGATG	CGCTGCTAAA
11641	CATAGTAGAG	CCCGAGGGCC	GCTGGCTGCT	CGATTTGATA	AACATCCTGC	AGAGCATAGT
11701	GGTGCAGGAG	CGCAGCTTGA	GCCTGGCTGA	CAAGGTGGCC	GCCATCAACT	ATTCCATGCT
11761	TAGCCTGGGC	AAGTTTTTAC	CCCGCAAGAT	ATACCATAAC	CCTTACGTTT	CCATAGACAA
11821	GGAGGTAAAG	ATCGAGGGGT	TCTACATGCG	CATGGCGCTG	AAGGTGCTTA	CCTTGAGCGA
11881	CGACCTGGGC	GTTTATCGCA	ACGAGCGCAT	CCACAAGGCC	GTGAGCGTGA	GCCGGCGGCG
11941	CGAGCTCAGC	GACCGCGAGC	TGATGCACAG	CCTGCAAAGG	GCCCTGGCTG	GCACGGGCGAG
12001	CGGCGATAGA	GAGGCCGAGT	CCTACTTTGA	CGCGGGCGCT	GACCTGCGCT	GGGCCCCAAG
12061	CCGACGCGCC	CTGGAGGCAG	CTGGGGCCGG	ACCTGGGCTG	GCGGTGGCAC	CCGCGCGCGC
12121	TGGCAACGTC	GGCGGCGTGG	AGGAATATGA	CGAGGACGAT	GAGTACGAGC	CAGAGGACGG
12181	CGAGTACTAA	GCGGTGATGT	TTCTGATCAG	ATGATGCAAG	ACGCAACGGA	CCCGCGGGTG
12241	CGGGCGGCGC	TGCAGAGCCA	GCCGTCCGGC	CTTAACTCCA	CGGACGACTG	GCGCCAGGTC
12301	ATGGACCGCA	TCATGTCGCT	GACTGCGCGC	AATCCTGACG	CGTTCCGGCA	GCAGCCGCGC
12361	GCCAACCGGC	TCTCCGCAAT	TCTGGAAGCG	GTGGTCCCGG	CGCGCGCAAA	CCCCACGCAC
12421	GAGAAGGTGC	TGGCGATCGT	AAACGCGCTG	GCCGAAAACA	GGGCCATCCG	GCCCGACGAG
12481	GCCGGCCTGG	TCTACGACGC	GCTGCTTCAG	CGCGTGGCTC	GTTACAACAG	CGGCAACGTG
12541	CAGACCAACC	TGGACCGGCT	GGTGGGGGAT	GTGCGCGAGG	CCGTGGCGCA	GCGTGAGCGC
12601	GCGCAGCAGC	AGGGCAACCT	GGGCTCCATG	GTTGCACTAA	ACGCCCTTCT	GAGTACACAG
12661	CCCGCCAACG	TGCCGCGGGG	ACAGGAGGAC	TACACCAACT	TTGTGAGCGC	ACTGCGGCTA

FIGURE 22
(SHEET 4)

12721 ATGGTGA CTG AGACACCGCA AAGTGAGGTG TACCAGTCTG GGCCAGACTA TTTTTCAG
12781 ACCAGTAGAC AAGGCCTGCA GACCGTAAAC CTGAGCCAGG CTTTCAAAAA CTTCAGGGG
12841 CTGTGGGGGG TGCGGGCTCC CACAGGCGAC CGCGCGACCG TGTCTAGCTT GCTGACGCCC
12901 AACTCGCGCC TGTGTCTGCT GCTAATAGCG CCCTTCACGG ACAGTGGCAG CGTGTCCCGG
12961 GACACATACC TAGGTCACTT GCTGACACTG TACCGCGAGG CCATAGGTCA GGCGCATGTG
13021 GACGAGCATA CTTTCCAGGA GATTACAAGT GTCAGCCGCG CGCTGGGGCA GGAGGACACG
13081 GGCAGCCTGG AGGCAACCCT AAACCTACCTG CTGACCAACC GGCGGCAGAA GATCCCTCGA
13141 TTGCACAGTT TAAACAGCGA GGAGGAGCGC ATTTTTCGCT ACGTGCAGCA GAGCGTGAGC
13201 CTTAACCTGA TGCGCGACGG GGTAACGCC AGCGTGGCGC TGGACATGAC CGCGCGCAAC
13261 ATGGAACCGG GCATGTATGC CTCAAACCGG CCGTTTATCA ACCGCCTAAT GGACTACTTG
13321 CATCGCGCGG CCGCCGTGAA CCCCAGTAT TTCACCAATG CCATCTTGAA CCCGCACTGG
13381 CTACCGCCCC CTGGTTTCTA CACCGGGGGA TTCGAGGTGC CCGAGGGTAA CGATGGATTC
13441 CTCTGGGACG ACATAGACGA CAGCGTGTTC TCCCCGCAAC CGCAGACCCT GCTAGAGTTG
13501 CAACAGCGCG AGCAGGCAGA GGCGGCGCTG CGAAAGGAAA GCTTCCGCGC GCCAAGCAGC
13561 TTGTCCGATC TAGGCGCTGC GGCCCCGCGG TCAGATGCTA GTAGCCCAT TCCAAGCTTG
13621 ATAGGGTCTC TTACCAGCAC TCGCACCACC CGCCCGCGCC TGCTGGGCGA GGAGGAGTAC
13681 CTAAACAAC CTGCTGTGCA GCCGACGCG GAAAAAACC TGCTCCGGC ATTTCCCAAC
13741 AACGGGATAG AGAGCCTAGT GGACCAAGTG AGTAGATGGA AGACGTACGC GCAGGAGCAC
13801 AGGGACGTGC CAGGCCCCGCG CCGCCCCACC CGTCGTCAAA GGCACGACCG TCAGCGGGGT
13861 CTGGTGTGGG AGGACGATGA CTCGGCAGAC GACAGCAGCG TCCTGGATTT GGGAGGGAGT
13921 GGCAACCCGT TTGCGCACCT TCGCCCCAGG CTGGGGAGAA TGTTTTAAAA AAAAAAAGC
13981 ATGATGCAAA ATAAAAA ACT CACCAAGGCC ATGGCACCAG GCGTTGGTTT TCTTGATTTC
14041 CCCTTAGTAT GCGGCGCGCG GCGATGTATG AGGAAGGTCC TCCTCCCTCC TACGAGAGTG
14101 TGGTGAGCGC GGCGCCAGTG GCGGCGGCGC TGGGTTCTCC CTTGATGCT CCCCTGGACC
14161 CGCCGTTTGT GCCTCCGCGG TACCTGCGGC CTACCGGGGG GAGAAACAGC ATCCGTTACT
14221 CTGAGTTGGC ACCCCTATTC GACACCACC GTGTGTACCT GGTGGACAAC AAGTCAACGG
14281 ATGTGGCATC CCTGAACTAC CAGAACGACC ACAGCAACT TCTGACCACG GTCATTCAAA
14341 ACAATGACTA CAGCCCCGGG GAGGCAAGCA CACAGACCAT CAATCTTGAC GACCGGTCGC
14401 ACTGGGGCGG CGACCTGAAA ACCATCCTGC ATACCAACAT GCCAAATGTG AACGAGTTCA
14461 TGTTTACCAA TAAGTTTAAG GCGCGGGTGA TGGTGTGCGC CTTGCCTACT AAGGACAATC
14521 AGGTGGAGCT GAAATACGAG TGGGTGGAGT TCACGCTGCC CGAGGGCAAC TACTCCGAGA
14581 CCATGACCAT AGACCTTATG AACAACGCGA TCGTGGAGCA CTACTTGAAA GTGGGCAGAC
14641 AGAACGGGGT TCTGGAAGC GACATCGGG TAAAGTTTGA CACCCGCAAC TTCACCTGG
14701 GGTTTGACCC CGTCACTGGT CTTGTCTATG CTGGGGTATA TACAAACGAA GCCTTCCATC
14761 CAGACATCAT TTTGCTGCCA GGATGCGGGG TGGACTTCAC CCACAGCCGC CTGAGCAACT
14821 TGTGGGGCAT CCGCAAGCGG CAACCTTCC AGGAGGGCTT TAGGATCACC TACGATGATC
14881 TGGAGGGTGG TAACATTCCC GCACTGTTGG ATGTGGACGC CTACCAGGCG AGCTTGAAAG
14941 ATGACACCGA ACAGGGCGGG GGTGGCGCAG GCGGCAGCAA CAGCAGTGGC AGCGGCGCGG
15001 AAGAGAACTC CAACGCGGCA GCGCGGCAA TGCAGCCGGT GGAGGACATG AACGATCATG
15061 CCATTGCGG CGACACCTTT GCCACACGGG CTGAGGAGAA GCGCGCTGAG GCCGAAGCAG
15121 CGGCCGAAGC TGCCGCCCC GCTGCGCAAC CCGAGGTCGA GAAGCCTCAG AAGAAACCGG
15181 TGATCAAACC CCTGACAGAG GACAGCAAGA AACGCAGTTA CAACCTAATA AGCAATGACA
15241 GCACCTTCAC CCAGTACCGC AGCTGGTACC TTGCATACAA CTACGGCGAC CCTCAGACCG
15301 GAATCCGCTC ATGGACCCTG CTTTGCACTC CTGACGTAAC CTGCGGCTCG GAGCAGGTCT
15361 ACTGGTCGTT GCCAGACATG ATGCAAGACC CCGTGACCTT CCGCTCCACG CGCCAGATCA
15421 GCAACTTTCC GGTGGTGGGC GCCGAGCTGT TGCCCGTGCA CTCCAAGAGC TTCTACAACG
15481 ACCAGGCCGT CTAATCCCAA CTCATCCGCC AGTTTACCTC TCTGACCCAC GTGTTCAATC
15541 GCTTTCCCGA GAACCAAGATT TTGGCGCGCC CGCCAGCCCC CACCATCACC ACCGTGAGTG
15601 AAAACGTTCC TGCTCTCACA GATCAGGGA CGCTACCGCT GCGCAACAGC ATCGGAGGAG
15661 TCCAGCGAGT GACCATTAAT GACGCCAGAC GCGCACCTG CCCCTACGTT TACAAGGCCC
15721 TGGGCATAGT CTCGCCGCGC GTCCTATCGA GCGCACTTT TTGAGCAAGC ATGTCCATCC
15781 TTATATCGCC CAGCAATAAC ACAGGCTGGG GCCTGCGCTT CCAAGCAAG ATGTTTGGCG
15841 GGGCCAAGAA GCGCTCCGAC CAACACCCAG TGCGCGTGCG CGGGCACTAC CGCGCGCCCT
15901 GGGGCGCGCA CAAACGCGGC CGCACTGGG GCACCACCGT CGATGACGCC ATCGACGCGG
15961 TGGTGGAGGA GGCGCGCAAC TACAGCCCA CGCCGCCACC AGTGTCCACA GTGGACGCGG
16021 CCATTGAGAC CGTGGTGGC GAGGCCCGC GCTATGCTAA AATGAAGAGA CGGCGGAGGC
16081 GCGTAGCACG TCGCCACCGC CGCCGACCG GCACTGCGCG CCAACGCGCG GCGGCGGCCC

FIGURE 22
(SHEET 5)

16141 TGCTTAACCG CGCACGTCGC ACCGGCCGAC GGGCGGCCAT GCGGGCCGCT CGAAGGCTGG.
16201 CCGCGGGTAT TGTCACGTG CCCCCAGGT CCAGGCGACG AGCGGCCGCC GCAGCAGCCG
16261 CGGCCATTAG TGCTATGACT CAGGGTCGCA GGGGCAACGT GTATTGGGTG CGCGACTCGG
16321 TTAGCGGCCT GCGCGTGCCC GTGCGCACC GCCCCCCGCG CAACTAGATT GCAAGAAAAA
16381 ACTACTTAGA CTCGTACTGT TGTATGTATC CAGCGGCGGC GGCGCGCAAC GAAGCTATGT
16441 CCAAGCGCAA AATCAAAGAA GAGATGCTCC AGGTCATCGC GCCGGAGATC TATGGCCCCC
16501 CGAAGAAGGA AGAGCAGGAT TACAAGCCCC GAAAGCTAAA GCGGGTCAAA AAGAAAAAGA
16561 AAGATGATGA TGATGAACTT GACGACGAGG TGGAAGTCT GCACGCTACC GCGCCCAGGC
16621 GACGGGTACA GTGGAAAGGT CGACGCGTAA AACGTGTTTT GCGACCCGGC ACCACCGTAG
16681 TCTTTACGCC CGGTGAGCGC TCCACCCGCA CCTACAAGCG CGTGTATGAT GAGGTGTACG
16741 GCGACGAGGA CCTGCTTGAG CAGGCCAACG AGCGCCTCGG GGAGTTTGCC TACGGAAAGC
16801 GGCATAAGGA CATGCTGGCG TTGCCGCTGG ACGAGGGCAA CCCAACACCT AGCCTAAAGC
16861 CCGTAACACT GCAGCAGGTG CTGCCCCGCG TTGCACCGTC CGAAGAAAAA CGCGGCCTAA
16921 AGCGCGAGTC TGGTGAAGTG GCACCCACCG TGCAGCTGAT GGTACCCAAG CGCCAGCGAC
16981 TGGAAGATGT CTTGGAAGAA ATGACCGTGG AACCTGGGCT GGAGCCCCGAG GTCCGCGTGC
17041 GGCCAATCAA GCAGGTGGCG CCGGGACTGG GCGTGCAGAC CGTGGACGTT CAGATACCCA
17101 CTACCAGTAG CACCAGTATT GCCACCGCCA CAGAGGGCAT GGAGACACAA ACGTCCCCGG
17161 TTGCCTCAGC GGTGGCGGAT GCCGCGGTGC AGGCGGTGCG TCGGGCCGCG TCCAAGACCT
17221 CTACGGAGGT GCAAACGGAC CCGTGGATGT TTCGCGTTTC AGCCCCCGCG CGCCCCGCGCG
17281 GTTCGAGGAA GTACGGCGCC GCCAGCGCGC TACTGCCCGA ATATGCCCTA CATCCTTCCA
17341 TTGCGCCTAC CCCCCGCTAT CGTGGCTACA CCTACCGCCC CAGAAGACGA GCAACTACCC
17401 GACGCCGAAC CACCACTGGA ACCCGCCGCC GCCGTCGCCG TCGCCAGCCC GTGCTGGCCC
17461 CGATTTCCGT GCGCAGGGTG GCTCGCGAAG GAGGCAGGAC CCTGGTGCTG CCAACAGCGC
17521 GCTACCACCC CAGCATCGTT TAAAAGCCGG TCTTTGTGGT TCTTGAGAT ATGGCCCTCA
17581 CCTGCCGCCT CCGTTTCCCG GTGCCGGGAT TCCGAGGAAG AATGCACCGT AGGAGGGGCA
17641 TGGCCGGCCA CGGCCTGACG GCGGCGATGC TCGTGCAGCA CCACCGGCGG CGGCGCGCGT
17701 CGCACCGTCG CATGCGCGGC GGTATCCTGC CCCTCCTTAT TCCACTGATC GCGCGGCGCA
17761 TTGGCGCCGT GCCCGGAATT GCATCCGTGG CCTTGCAGGC GCAGAGACAC TGATTAAGAA
17821 CAAAGTTGCAT GTGGAAAAAT CAAAATAAAA AGTCTGGAAT CTCACGCTCG CTTGGTCCTG
17881 TAACTATTTT GTAGAATGGA AGACATCAAC TTTGCGTCTC TGGCCCCGCG ACACGGCTCG
17941 CGCCCGTTCA TGGGAAACTG GCAAGATATC GGCACCAGCA ATATGAGCGG TGGCGCCTTC
18001 AGCTGGGGCT CGCTGTGGAG CGGCATTAAA AATTTTCGGT CCACCGTTAA GAACTATGGC
18061 AGCAAGGCCT GGAACAGCAG CACAGGCCAG ATGCTGAGGG ATAAGTTGAA AGAGCAAAAT
18121 TTCCAACAAA AGGTGGTAGA TGGCCTGGCC TCTGGCATTG GCGGGGTGGT GGACCTGGCC
18181 AACCAGGCAG TGCAAAATAA GATTAACAGT AAGCTTGATC CCCGCCCTCC CGTAGAGGAG
18241 CCTCCACCGG CCGTGGAGAC AGTGTCTCCA GAGGGGCGTG GCGAAAAGCG TCCGCGCCCC
18301 GACAGGGAAG AAACCTCTGT GACGCAATAA GACGAGCCTC CCTCGTACGA GGAGGCACTA
18361 AAGCAAGGCC TGCCCAACCAC CCGTCCCATC GCGCCCATGG CTACCGGAGT GCTGGGCCAG
18421 CACACACCCG TAACGCTGGA CCTGCCTCCC CCCGCCGACA CCCAGCAGAA ACCTGTGCTG
18481 CCAGGCCCGA CCGCCGTTGT TGTAACCCGT CCTAGCCGCG CGTCCCTGCG CCGCGCCGCC
18541 AGCGGTCCGC GATCGTTGCG GCCCGTAGCC AGTGGCAACT GGCAAGCAC ACTGAACAGC
18601 ATCGTGGGTC TGGGGGTGCA ATCCCTGAAG CGCCGACGAT GCTTCTGAAT AGCTAACGTG
18661 TCGTATGTGT GTCATGTATG CGTCCATGTC GCCGCCAGAG GAGCTGCTGA GCCCGCGCG
18721 GCGCGCTTTC CAAGATGGCT ACCCCTTCGA TGATGCCGCA GTGGTCTTAC ATGCACATCT
18781 CGGGCCAGGA CGCCTCGGAG TACCTGAGCC CCGGGCTGGT GCAGTTTGCC CGCGCCACCG
18841 AGACGTACTT CAGCCTGAAT AACAAGTTTA GAAACCCAC GGTGGCGCCT ACGCACGACG
18901 TGACCACAGA CCGGTCCCAG CGTTTGACGC TGCGGTTTAT CCCTGTGGAC CGTGAGGATA
18961 CTGCGTACTC GTACAAGGCG CGGTTACCC TAGCTGTGGG TGATAACCGT GTGCTGGACA
19021 TGGCTTCCAC GTACTTTGAC ATCCGCGGCG TGCTGGACAG GGGCCCTACT TTAAAGCCCT
19081 ACTCTGGCAC TGCCTACAAC GCCCTGGCTC CCAAGGGTGC CCCAAATCCT TGCGAATGGG
19141 ATGAAGCTGC TACTGCTCTT GAAATAAACC TAGAAGAAGA GGACGATGAC AACGAAGACG
19201 AAGTAGACGA GCAAGCTGAG CAGCAAAAAA CTCACGTATT TGGGCAGGCG CCTTATTCTG
19261 GTATAAATAT TACAAAGGAG GGTATTCAA TAGGTGTGCA AGGTCAAACA CCTAAATATG
19321 CCGATAAAAC ATTTCAACCT GAACCTCAA TAGGAGAATC TCAGTGGTAC GAAACTGAAA
19381 TTAATCATGC AGCTGGGAGA GTCCTTAAAA AGACTACCCC AATGAAACCA TGTTACGGTT
19441 CATATGCAAA ACCCACAAT GAAATGGAG GGCAAGGCAT TCTTGTAAG CAACAAATG
19501 GAAAGCTAGA AAGTCAAGTG GAAATGCAAT TTTTCTCAAC TACTGAGGCG ACCGCAGGCA

FIGURE 22
(SHEET 6)

19561 ATGGTGATAA CTTGACTCCT AAAGTGGTAT TGTACAGTGA AGATGTAGAT ATAGAAACCC
19621 CAGACACTCA TATTTCTTAC ATGCCCACTA TTAAGGAAGG TAACCTCACGA GAACTAATGG
19681 GCCAACAAATC TATGCCCAAC AGGCCTAATT ACATTGCTTT TAGGGACAAT TTTATTGGTC
19741 TAATGTATTA CAACAGCACG GGTAAATATGG GTGTTCTGGC GGGCCAAGCA TCGCAGTTGA
19801 ATGCTGTTGT AGATTTGCAA GACAGAAACA CAGAGCTTTC ATACCAGCTT TTGCTTGATT
19861 CCATTGGTGA TAGAACCAGG TACTTTTCTA TGTGGAATCA GGCTGTTGAC AGCTATGATC
19921 CAGATGTTAG AATTATTGAA AATCATGGAA CTGAAGATGA ACTTCCAAAT TACTGCTTTC
19981 CACTGGGAGG TGTGATTAAT ACAGAGACTC TTACCAAGGT AAAACCTAAA ACAGGTCAGG
20041 AAAATGGATG GGAAAAAGAT GCTACAGAAT TTTCAGATAA AAATGAAATA AGAGTTGGAA
20101 ATAATTTTGC CATGGAAATC AATCTAAATG CCAACCTGTG GAGAAATTTT CTGTACTCCA
20161 ACATAGCGCT GTATTTGCCC GACAAGCTAA AGTACAGTCC TTCCAACGTA AAAATTTCTG
20221 ATAACCCAAA CACCTACGAC TACATGAACA AGCGAGTGGT GGCTCCCGGG TTAGTGGACT
20281 GCTACATTAA CCTTGGAGCA CGCTGGTCCC TTGACTATAT GGACAACGTC AACCCATTTA
20341 ACCACCACCG CAATGCTGGC CTGCGCTACC GCTCAATGTT GCTGGGCAAT GGTCGCTATG
20401 TGCCCTTCCA CATCCAGGTG CCTCAGAAAT TCTTTGCCAT TAAAAACCTC CTCTCCTGTC
20461 CGGGCTCATA CACCTACGAG TGGAACTTCA GGAAGGATGT TAACATGGTT CTGCAGAGCT
20521 CCCTAGGAAA TGACCTAAGG GTTGACGGAG CCAGCATTAA GTTTGATAGC ATTTGCCTTT
20581 ACGCCACCTT CTTCCCCATG GCCCACAACA CCGCCTCCAC GCTTGAGGCC ATGCTTAGAA
20641 ACGACACCAA CGACCAGTCC TTTAACGACT ATCTCTCCGC CGCCAACATG CTCTACCCTA
20701 TACCCGCCAA CGCTACCAAC GTGCCCATAT CCATCCCCCTC CCGCAACTGG GCGGCTTTCC
20761 GCGGCTGGGC CTTACGCGC CTTAAGACTA AGGAAACCCC ATCACTGGGC TCGGGCTACG
20821 ACCCTTATTA CACCTACTCT GGCTCTATAC CCTACCTAGA TGGAACCTTT TACCTCAACC
20881 ACACCTTTAA GAAGGTGGCC ATTACCTTTG ACTCTTCTGT CAGCTGGCCT GGCAATGACC
20941 GCCTGCTTAC CCCCAACGAG TTTGAAATTA AGCGCTCAGT TGACGGGGAG GGTTACAACG
21001 TTGCCCATG TAACATGACC AAAGACTGGT TCCTGGTACA AATGCTAGCT AACTACAACA
21061 TTGGCTACCA GGGCTTCTAT ATCCCAGAGA GCTACAAGGA CCGCATGTAC TCCTTCTTTA
21121 GAAACTTCCA GCCCATGAGC CGTCAGGTGG TGGATGATAC TAAATACAAG GACTACCAAC
21181 AGGTGGGCAT CCTACACCAA CACAACAAC CTGGATTTGT TGGCTACCTT GCCCCACCA
21241 TGCGCGAAGG ACAGGCCTAC CCTGCTAACT TCCCTATACC GCTTATAGGC AAGACCGCAG
21301 TTGACAGCAT TACCCAGAAA AAGTTTCTTT GCGATCGCAC CCTTTGGCGC ATCCCATTCT
21361 CCAGTAACTT TATGTCCATG GGCGCACTCA CAGACCTGGG CCAAACCTT CTCTACGCCA
21421 ACTCCGCCCA CGCGCTAGAC ATGACTTTTG AGGTGGATCC CATGGACGAG CCCACCCTTC
21481 TTTATGTTTT GTTTGAAGTC TTTGACGTGG TCCGTGTGCA CCGGCCGCAC CCGCGCGTCA
21541 TCGAAACCGT GTACCTGCGC ACGCCCTTCT CGGCCGGCAA CGCCACAACA TAAAGAAGCA
21601 AGCAACATCA ACAACAGCTG CCGCCATGGG CTCCAGTGAG CAGGAACTGA AAGCCATTGT
21661 CAAAGACTCT GGTGTGGGC CATATTTTCT GGGCACCTAT GACAAGCGCT TTCCAGGCTT
21721 TGTTTCTCCA CACAAGCTCG CCTGCGCCAT AGTCAATACG GCCGGTCGCG AGACTGGGGG
21781 CGTACACTGG ATGGCCTTTG CCTGGAACCC GCACTCAAAA ACATGCTACC TCTTTGAGCC
21841 CTTTGGCTTT TCTGACCAGC GACTCAAGCA GGTTTACCAG TTTGAGTACG AGTCACTCCT
21901 GCGCCGTAGC GCCATTGCTT CTTCCCCCGA CCGCTGTATA ACGCTGGAAA AGTCCACCCA
21961 AAGCGTACAG GGGCCCAACT CGGCCGCTG TGGACTATTC TGCTGCATGT TTCTCCACGC
22021 CTTTGCCAAC TGGCCCCAAA CTCCCATGGA TCACAACCCC ACCATGAACC TTATTACCGG
22081 GTTACCCAAC TCCATGCTCA ACAGTCCCCA GGTACAGCCC ACCCTGCGTC GCAACAGGA
22141 ACAGCTCTAC AGCTTCCTGG AGCGCCACTC GCCCTACTTC CGCAGCCACA GTGCGCAGAT
22201 TAGGAGCGCC ACTTCTTTT GTCACTTGAA AAACATGTAA AAATAATGTA CTAGAGACAC
22261 TTTCAATAAA GGCAAATGCT TTTATTTGTA CACTCTCGGG TGATTATTTA CCCCCACCT
22321 TGCCGTCTGC GCCGTTTAAA AATCAAAGGG GTTCTGCCGC GCATCGCTAT GCGCCACTGG
22381 CAGGGACACG TTGCGATACT GGTGTTTGT GCTCCACTTA AACTCAGGCA CAACCATCCG
22441 CGGCAGCTCG GTGAAGTTTT CACTCCACAG GCTGCGCACC ATCACCAACG CGTTTAGCAG
22501 GTCGGGCGCC GATATCTTGA AGTCGCAGTT GGGGCCTCCG CCCTGCGCGC GCGAGTTGCG
22561 ATACACAGGG TTGCAGCACT GGAACACTAT CAGCGCCGGG TGGTGCACGC TGGCCAGCAC
22621 GCTCTTGTCT GAGATCAGAT CCGCGTCCAG GTCCTCCGCG TTGCTCAGGG CGAACGGAGT
22681 CAACTTTGGT AGCTGCCTTC CCAAAAAGGG CGCGTGCCCA GGCTTTGAGT TGCACTCGCA
22741 CCGTAGTGCG ATCAAAAGGT GACCGTGCCC GGTCTGGGCG TTAGGATACA GCGCCTGCAT
22801 AAAAGCCTTG ATCTGCTTAA AAGCCACCTG AGCCTTTGCG CCTTCAGAGA AGAACATGCC
22861 GCAAGACTTG CCGGAAAAC GATTGGCCGG ACAGGCCGCG TCGTGCACGC AGCACCTTGC
22921 GTCGGTGTTG GAGATCTGCA CCACATTTCT GCCCCACCGG TTCTTCACGA TCTTGGCCTT

FIGURE 22
(SHEET 7)

22981	GCTAGACTGC	TCCTTCAGCG	CGCGCTGCCC	GTTTTCGCTC	GTCACATCCA	TTTCAATCAC
23041	GTGCTCCTTA	TTTATCATAA	TGCTTCCGTG	TAGACACTTA	AGCTCGCCTT	CGATCTCAGC
23101	GCAGCGGTGC	AGCCACAACG	CGCAGCCCGT	GGGCTCGTGA	TGCTTGTAGG	TCACCTCTGC
23161	AAACGACTGC	AGGTACGCCT	GCAGGAATCG	CCCCATCATC	GTCACAAAGG	TCTTGTGTGCT
23221	GGTGAAGGTC	AGCTGCAACC	CGCGGTGCTC	CTCGTTCAGC	CAGGTCTTGC	ATACGGCCCGC
23281	CAGAGCTTCC	ACTTGGTCAG	GCAGTAGTTT	GAAGTTCGCC	TTTAGATCGT	TATCCACGTG
23341	GTACTTGTCC	ATCAGCGCGC	GCGCAGCCTC	CATGCCCTTC	TCCCACGCAG	ACACGATCGG
23401	CACACTCAGC	GGGTTCATCA	CCGTAATTTT	ACTTTCGCT	TCGCTGGGCT	CTTCCTCTTC
23461	CTCTTGCGTC	CGCATACCAC	GCGCCACTGG	GTCGTCTTCA	TTCAGCCGCC	GCACTGTGCG
23521	CTTACCTCCT	TTGCCATGCT	TGATTAGCAC	CGGTGGGTTG	CTGAAACCCA	CCATTGTAG
23581	CGCCACATCT	TCTCTTTCTT	CCTCGCTGTC	CACGATTACC	TCTGGTGATG	GCGGGCGCTC
23641	GGGCTTGGA	GAAGGGCGCT	TCTTTTCTT	CTTGGGCGCA	ATGGCCAAAT	CCGCCGCCGA
23701	GGTCGATGGC	CGCGGGCTGG	GTGTGCGCGG	CACCAGCGCG	TCTTGTGATG	AGTCTTCCTC
23761	GTCCTCGGAC	TCGATACGCC	GCCTCATCCG	CTTTTTTGGG	GGCGCCCGGG	GAGGCGGCGG
23821	CGACGGGGAC	GGGGACGACA	CGTCCTCCAT	GGTTGGGGGA	CGTCGCGCCG	CACCGCGTCC
23881	GCGCTCGGGG	GTGGTTTCGC	GCTGCTCCTC	TTCCCGACTG	GCCATTTCTT	TCTCCTATAG
23941	GCAGAAAAAG	ATCATGGAGT	CAGTCGAGAA	GAAGGACAGC	CTAACCGCCC	CCTCTGAGTT
24001	CGCCACCACC	GCCTCCACCG	ATGCCGCCAA	CGCGCCTACC	ACCTTCCCCG	TCGAGGCACC
24061	CCCGCTTGAG	GAGGAGGAAG	TGATTATCGA	GCAGGACCCA	GGTTTTGTAA	GCGAAGACGA
24121	CGAGGACCGC	TCAGTACCAA	CAGAGGATAA	AAAGCAAGAC	CAGGACAACG	CAGAGGCAAA
24181	CGAGGAACAA	GTGGGGCGGG	GGGACGAAAG	GCATGGCGAC	TACCTAGATG	TGGGAGACGA
24241	CGTGCTGTTG	AAGCATCTGC	AGCGCCAGTG	CGCCATTATC	TGCGACGCGT	TGCAAGAGCG
24301	CAGCGATGTG	CCCCTCGCCA	TAGCGGATGT	CAGCCTTGCC	TACGAACGCC	ACCTATTCTC
24361	ACCGCGCGTA	CCCCCCTAAC	GCCAAGAAAA	CGGCACATGC	GAGCCCAACC	CGCGCCTCAA
24421	CTTCTACCCC	GTATTTGCCG	TGCCAGAGGT	GCTTGCCACC	TATCACATCT	TTTTCCAAAA
24481	CTGCAAGATA	CCCCTATCCT	GCCGTGCCAA	CCGCAGCCGA	GCGGACAAGC	AGCTGGCCTT
24541	GCGGCAGGGC	GCTGTCATAC	CTGATATCGC	CTCGCTCAAC	GAAGTGCCAA	AAATCTTTGA
24601	GGGTCTTGGA	CGCGACGAGA	AGCGCGCGGC	AAACGCTCTG	CAACAGGAAA	ACAGCGAAAA
24661	TGAAAGTCAC	TCTGGAGTGT	TGGTGGAAGT	CGAGGGTGAC	AACGCGCGCC	TAGCCGTAAT
24721	AAAACGCAGC	ATCGAGGTCA	CCCACCTTTC	CTACCCGGCA	CTTAACCTAC	CCCCCAAGGT
24781	CATGAGCACA	GTCATGAGTG	AGCTGATCGT	GCGCCGTGCG	CAGCCCTGCG	AGAGGGATGC
24841	AAATTTGCAA	GAACAAACAG	AGGAGGGCCT	ACCCGCAGTT	GGCGACGAGC	AGCTAGCGCG
24901	CTGGCTTCAA	ACGCGCGAGC	CTGCCGACTT	GGAGGAGCGA	CGCAAATAA	TGATGGCCGC
24961	AGTGCTGCTT	ACCGTGGAGC	TTGAGTGATC	GCAGCGGTTT	TTTGCTGACC	CGGAGATGCA
25021	CGCAGAGCTA	GAGGAAACAT	TGCACTACAC	CTTTCGACAG	GGCTACGTAC	GCCAGGCCTG
25081	CAAGATCTCC	AACGTGGAGC	TCTGCAACCT	GGTCTCCTAC	CTTGGAATTT	TGCACGAAAA
25141	CCGCCTTGGG	CAAAACGTGC	TTCATTCCAC	GCTCAAGGGC	GAGGCGCGCC	GCGACTACGT
25201	CCGCGACTGC	GTTTACTTAT	TTCTATGCTA	CACCTGGCAG	ACGGCCATGG	GCGTTTGGCA
25261	GCAGTGCTTG	GAGGAGTGCA	ACCTCAAGGA	GCTGCAGAAA	CTGCTAAAGC	AAAACTTGAA
25321	GGACCTATGG	ACGGCCTTCA	ACGAGCGCTC	CGTGGCCGCG	CACCTGGCGG	ACATCATTTT
25381	CCCCGAACGC	CTGCTTAAAA	CCCTGCAACA	GGGTCTGCCA	GACTTCACCA	GTCAAAGCAT
25441	GTTGCAGAAC	TTTAGGAACT	TTATCCTAGA	GCGCTCAGGA	ATCTTGCCCG	CCACCTGCTG
25501	TGCACTTCCT	AGCGACTTTG	TGCCCATTA	GTACCGCGAA	TGCCCTCCGC	CGCTTTGGGG
25561	CCACTGCTAC	CTTCTGCAGC	TAGCCAACTA	CCTTGCTTAC	CACTCTGACA	TAATGGAAGA
25621	CGTGAGCGGT	GACGGTCTAC	TGGAGTGTCA	CTGTGCTGTC	AACCTATGCA	CCCCGCACCG
25681	CTCCCTGGTT	TGCAATTTCG	AGCTGCTTAA	CGAAAGTCAA	ATTATCGGTA	CCTTTGAGCT
25741	GCAGGGTCCC	TCGCCTGACG	AAAAGTCCGC	GGCTCCGGGG	TTGAAACTCA	CTCCGGGGCT
25801	GTGGACGTCG	GCTTACCTTC	GCAAATTTGT	ACCTGAGGAC	TACCACGCCC	ACGAGATTAG
25861	GTTCTACGAA	GACCAATCCC	GCCCGCCAAA	TGCGGAGCTT	ACCGCCTGCG	TCATTACCCA
25921	GGGCCACATT	CTTGCCCAAT	TGCAAGCCAT	CAACAAAGCC	CGCCAAGAGT	TTCTGTACCG
25981	AAAGGGACGG	GGGGTTTACT	TGGACCCCCA	GTCCGGCGAG	GAGCTCAACC	CAATCCCCCC
26041	GCCGCCGACG	CCCTATCAGC	AGCAGCCGCG	GGCCCTTGCT	TCCCAGGATG	GCACCCAAAA
26101	AGAAGCTGCA	GCTGCCGCCG	CACCCACGG	ACGAGGAGGA	ATACTGGGAC	AGTCAGGCAG
26161	AGGAGGTTTT	GGACGAGGAG	GAGGAGGACA	TGATGGAAGA	CTGGGAGAGC	CTAGACGAGG
26221	AAGCTTCCGA	GGTCGAAGAG	GTGTGACAGC	AAACACCGTC	ACCCTCGGTC	GCATTCCCCT
26281	CGCCGGCGCC	CCAGAAATCG	GCAACCGGTT	CCAGCATGGC	TACAACCTCC	GCTCCTCAGG
26341	CGCCGCCGCG	ACTGCCCGTT	CGCCGACCCA	ACCGTAGATG	GGACACCACT	GGAACCAAGG

FIGURE 22
(SHEET 8)

26401	CCGGTAAGTC	CAAGCAGCCG	CCGCCGTTAG	CCCAAGAGCA	ACAACAGCGC	CAAGGCTACC
26461	GCTCATGGCG	CGGGCACAAG	AACGCCATAG	TTGCTTGCTT	GCAAGACTGT	GGGGGCAACA
26521	TCTCCTTCGC	CCGCCGCTTT	CTTCTCTACC	ATCACGGCGT	GGCCTTCCCC	CGTAACATCC
26581	TGCATTACTA	CCGTCATCTC	TACAGCCCAT	ACTGCACCGG	CGGCAGCGGC	AGCGGCAGCA
26641	ACAGCAGCGG	CCACACAGAA	GCAAAGGCGA	CCGGATAGCA	AGACTCTGAC	AAAGCCCCAAG
26701	AAATCCACAG	CGGCGGCAGC	AGCAGGAGGA	GGAGCGCTGC	GTCTGGCGCC	CAACGAACCC
26761	GTATCGACCC	GCGAGCTTAG	AAACAGGATT	TTTCCCACTC	TGTATGCTAT	ATTTC AACAG
26821	AGCAGGGGCC	AAGAACAAGA	GCTGAAAATA	AAAAACAGGT	CTCTGCGATC	CCTCACC CGC
26881	AGCTGCCTGT	ATCACAAAAG	CGAAGATCAG	CTTCGGCGCA	CGCTGGAAGA	CGCGGAGGCT
26941	CTCTTCAGTA	AATACTGCGC	GCTGACTCTT	AAGGACTAGT	TTCGCGCCCT	TTCTCAAATT
27001	TAAGCGCGAA	AACTACGTCA	TCTCCAGCGG	CCACACCCGG	CGCCAGCACC	TGTCGT CAGC
27061	GCCATTATGA	GCAAGGAAAT	TCCCACGCC	TACATGTGGA	GTTACCAGCC	ACAAATGGGA
27121	CTTGCGGCTG	GAGCTGCCCA	AGACTACTCA	ACCCGAATAA	ACTACATGAG	CGCGGGACCC
27181	CACATGATAT	CCCGGGTCAA	CGGAATCCCG	GCCCACCGAA	ACCGAATTCT	CTTGGAACAG
27241	GCGGCTATTA	CCACCACACC	TCGTAATAAC	CTTAATCCCC	GTAGTTGGCC	CGCTGCCCTG
27301	GTGTACCAGG	AAAGTCCCGC	TCCCACCACT	GTGGTACTTC	CCAGAGACGC	CCAGGCCGAA
27361	GTTTCAGATGA	CTAACTCAGG	GGCGCAGCTT	GCGGGCGGCT	TTCGTCACAG	GGTGGGTCG
27421	CCCGGGCAGG	GTATAACTCA	CCTGACAATC	AGAGGGCGAG	GTATT CAGCT	CAACGACGAG
27481	TCGGTGAGCT	CCTCGCTTGG	TCTCCGTCCG	GACGGGACAT	TTCAGATCGG	CGGCGCCGGC
27541	CGTCCTTCAT	TCACGCCTCG	TCAGGCAATC	CTAACTCTGC	AGACCTCGTC	CTCTGAGCCG
27601	CGCTCTGGAG	GCATTGGAAC	TCTGCAATTT	ATTGAGGAGT	TTGTGCCATC	GGTCTACTTT
27661	AACCCCTTCT	CGGGACCTCC	CGGCCACTAT	CCGGATCAAT	TTATTCC TAA	CTTTGACGCG
27721	GTAAAGGACT	CGGCGGACGG	CTACGACTGA	TAATTAAGTG	GAGAGGCAGA	GCAACTGCGC
27781	CTGAAACACC	TGGTCCACTG	TCGCCGCCAC	AAGTGCTTTG	CCCGCGACTC	CGGTGAGTTT
27841	TGCTACTTTG	AATTGCCCCG	GGATCATATC	GAGGATCTTT	GTTGCCATCT	CTGTGCTGAG
27901	TATAATAAAT	ACAGAAATTA	AAATATACTG	GGGCTCCTAT	CGCCATCCTG	TAAACGCCAC
27961	CGTCTTCACC	CGCCCCAAGCA	AACCAAGGCG	AACCTTACCT	GGTACTTTTA	ACATCTCTCC
28021	CTCTGTGATT	TACAACAGTT	TCAACCCAGA	CGGAGTGAGT	CTACGAGAGA	ACCTCTCCGA
28081	GCTCAGCTAC	TCCATCAGAA	AAAACACCAC	CCTCCTTACC	TGCCGGGAAC	GTACCCTTAA
28141	TTAAAAGTCA	GGCTTCCTGG	ATGTCAGCAT	CTGACTTTGG	CCAGCACCTG	TCCCGCGGAT
28201	TTGTTCCAGT	CCAAC TACAG	CGACCCACCC	TAACAGAGAT	GACCAACACA	ACCAACGCGG
28261	CCGCCGCTAC	CGGACTTACA	TCTACCACAA	ATACACCCCA	AGTTTCTGCC	TTTGTC AATA
28321	ACTGGGATAA	CTTGGGCATG	TGGTGGTTCT	CCATAGCGCT	TATGTTTGTA	TGCCTTATTA
28381	TTATGTGGCT	CATCTGCTGC	CTAAAGCGCA	ACGCGCCCCG	ACCACCCATC	TATAGTCCCA
28441	TCATTGTGCT	ACACCCAAAC	AATGATGGAA	TCCATAGATT	GGACGGACTG	AAACACATGT
28501	TCCTTTCTCT	TACAGTATGA	TTAAATGAGA	TTAATTAAGG	AATTTCTGTC	CAGTTTATTC
28561	AGCAGACCTT	CCTTGCCCTC	CTCCCAGCTC	TGGTATTGCA	GCTTCCTCCT	GGCTGCAAAC
28621	TTTCTCCACA	ATCTAAATGG	AATGTCAGTT	TCCTCCTGTT	CCTGTCCATC	CGCACCCACT
28681	ATCTTCATGT	TGTTGCAGAT	GAAGCGCGCA	AGACCGTCTG	AAGATACTT	CAACCCCGTG
28741	TATCCATATG	ACACGGAAAC	CGGTCCCTCA	ACTGTGCCTT	TTCTTACTCC	TCCCTTTGTA
28801	TCCCCCAATG	GGTTTCAAGA	GAGTCCCCCT	GGGGTACTCT	CTTTGCGCCT	ATCCGAACCT
28861	CTAGTTACCT	CCAATGGCAT	GCTTGCGCTC	AAAATGGGCA	ACGGCCTCTC	TCTGGACGAG
28921	GCCGGCAACC	TTACCTCCCA	AAATGTAACC	ACTGTGAGCC	CACCTCTCAA	AAAAACCAAG
28981	TCAAACATAA	ACCTGGA AAT	ATCTGCACCC	CTCAGAGTTA	CCTCAGAAGC	CCTAACTGTG
29041	GCTGCCGCCG	CACCTCTAAT	GGTCGCGGGC	AACACACTCA	CCATGCAATC	ACAGGCCCCG
29101	CTAACCGTGC	ACGACTCCAA	ACTTAGCATT	GCCACCCAAG	GACCCCTCAC	AGTGTCAGAA
29161	GGAAAGCTAG	CCCTGCAAAC	ATCAGGCCCC	CTCACCACCA	CCGATAGCAG	TACCCTTACT
29221	ATCACTGCCT	CACCCCTCT	AACTACTGCC	ACTGGTAGCT	TGGGCATTGA	CTTGAAAGAG
29281	CCCATTTATA	CACAAAATGG	AAAAC TAGGA	CTAAAGTACG	GGGCTCCTTT	GCATGTAACA
29341	GACGACCTAA	ACACTTTGAC	CGTAGCAACT	GGTCCAGGTG	TGACTATTAA	TAATACTTCC
29401	TTGCAAAC TA	AAGTTACTGG	AGCCTTGGGT	TTTGATT CAC	AAGGCAATAT	GCAACTTAAT
29461	GTAGCAGGAG	GACTAAGGAT	TGATTCTCAA	AACAGACGCC	TTATACTTGA	TGTTAGTTAT
29521	CCGTTTGTATG	CTCAAAACCA	ACTAAATCTA	AGACTAGGAC	AGGGCCCTCT	TTTTATAAAC
29581	TCAGCCCACA	ACTTG GATAT	TAAC TACAAC	AAAGGCCTTT	ACTTGTTTAC	AGCTTCAAAC
29641	AATTCCAAAA	AGCTTGAGGT	TAACCTAAGC	ACTGCCAAGG	GGTTGATGTT	TGACGCTACA
29701	GCCATAGCCA	TTAATGCAGG	AGATGGGCTT	GAATTTGGTT	CACCTAATGC	ACCAAACACA
29761	AATCCCTCA	AAACAAA AAT	TGGCCATGGC	CTAGAATTTG	ATTCAAACAA	GGCTATGGTT

FIGURE 22
(SHEET 9)

29821 CCTAAACTAG GAACTGGCCT TAGTTTTGAC AGCACAGGTG CCATTACAGT AGGAAACAAA
 29881 AATAATGATA AGCTAACTTT GTGGACCACA CCAGCTCCAT CTCCTAACTG TAGACTAAAT
 29941 GCAGAGAAAG ATGCTAAACT CACTTTGGTC TTAACAAAAT GTGGCAGTCA AATACTTGCT
 30001 ACAGTTTCAG TTTTGGCTGT TAAAGGCAGT TTGGCTCCAA TATCTGGAAC AGTTCAAAGT
 30061 GCTCATCTTA TTATAAGATT TGACGAAAAT GGAGTGCTAC TAAACAATTC CTTCTGGAC
 30121 CCAGAATATT GGAACCTTTAG AAATGGAGAT CTTACTGAAG GCACAGCCTA TACAAACGCT
 30181 GTTGGATTTA TGCCTAACCT ATCAGCTTAT CCAAAATCTC ACGGTAAAC TGCCAAAAGT
 30241 AACATTGTCA GTCAAGTTTA CTTAAACGGA GACAAAACCTA AACCTGTAAC ACTAACCATT
 30301 AACTAAACG GTACACAGGA AACAGGAGAC ACAACTCCAA GTGCATACTC TATGTCATTT
 30361 TCATGGGACT GGTCTGGCCA CAACTACATT AATGAAATAT TTGCCACATC CTCTTACACT
 30421 TTTTCATACA TTGCCCAAGA ATAAAGAATC GTTTGTGTTA TGTTCACAG TGTTTATTTT
 30481 TCAATTGCAG AAAATTTCAA GTCATTTTTC ATTCAAGTAGT ATAGCCCCAC CACCACATAG
 30541 CTTATACAGA TCACCGTACC TTAATCAAAC TCACAGAACC CTAGTATTCA ACCTGCCACC
 30601 TCCCTCCCAA CACACAGAGT ACACAGTCCCT TTCTCCCCGG CTGGCCTTAA AAAGCATCAT
 30661 ATCATGGGTA ACAGACATAT TCTTAGGTGT TATATTCCAC ACGGTTTCCT GTCGAGCCAA
 30721 ACAGCTCATCA GTGATATTAA TAAACTCCCC GGGCAGCTCA CTTAAGTTCA TGTCGCTGTC
 30781 CAGCTGCTGA GCCACAGGCT GCTGTCCAAC TTGCGGTTGC TTAACGGGCG GCGAAGGAGA
 30841 AGTCCACGCC TACATGGGGG TAGAGTCATA ATCGTGCATC AGGATAGGGC GGTGGTGCTG
 30901 CAGCAGCGCG CGAATAAACT GCTGCCGCCG CCGCTCCGTC CTGCAGGAAT ACAACATGGC
 30961 AGTGGTCTCC TCAGCGATGA TTGCGACCGC CCGCAGCATA AGGCGCCTTG TCCTCCGGGC
 31021 ACAGCAGCGC ACCCTGATCT CACTTAAATC AGCACAGTAA CTGCAGCACA GCACCAAAAT
 31081 ATTGTTCAAA ATCCACAGT GCAAGGCGCT GTATCCAAAG CTCATGGCGG GGACCACAGA
 31141 ACCCACGTGG CCATCATACC ACAAGCGCAG GTAGATTAAAG TGGCGACCCC TCATAAACAC
 31201 GCTGGACATA AACATTACCT CTTTGGCAT GTTGTAATTC ACCACCTCCC GGTACCATAT
 31261 AAACCTCTGA TTAAACATGG CGCCATCCAC CACCATCCTA AACCAGCTGG CCAAAACCTG
 31321 CCCGCCGGCT ATACACTGCA GGGAACCGGG ACTGGAACAA TGACAGTGGA GAGCCCAGGA
 31381 CTCGTAACCA TGGATCATCA TGCTCGTCAT GATATCAATG TTGGCACAAC ACAGGCACAC
 31441 GTGCATACAC TTCCTCAGGA TTACAAGCTC CTCCCGCGTT AGAACCATAT CCCAGGGAAC
 31501 AACCATTCC TGAATCAGCG TAAATCCCAC ACTGCAGGGA AGACCTCGCA CGTAACTCAC
 31561 GTTGTGCATT GTCAAAGTGT TACATTCCGG CAGCAGCGGA TGATCCTCCA GTATGGTAGC
 31621 GCGGGTTTCT GTCTCAAAAG GAGGTAGACG ATCCCTACTG TACGGAGTGC GCCGAGACAA
 31681 CCGAGATCGT GTTGGTCGTA GTGTCATGCC AAATGGAACG CCGGACGTAG TCATATTTCC
 31741 TGAAGCAAAA CCAGGTGCGG GCGTGACAAA CAGATCTGCG TCTCCGTTCT CGCCGCTTAG
 31801 ATCGCTCTGT GTAGTAGTTG TAGTATATCC ACTCTCTCAA AGCATCCAGG CGCCCCCTGG
 31861 CTTCCGGGTT TATGTAAACT CTTTATGCG CCGCTGCCCT GATAACATCC ACCACCGCAG
 31921 AATAAGCCAC ACCCAGCCAA CCTACACATT CGTTCTGCGA GTCACACACG GGAGGAGCGG
 31981 GAAGAGCTGG AAGAACCATG TTTTTTTTTT TATTCCAAAA GATTATCCAA AACCTCAAAA
 32041 TGAAGATCTA TTAAGTGAAC GCGCTCCCCT CCGGTGGCGT GGTCAAACTC TACAGCCAAA
 32101 GAACAGATAA TGGCATTGTG AAGATGTGTC ACAATGGCTT CCAAAGGCA AACGGCCCTC
 32161 ACGTCCAAGT GGACGTAAAG GCTAAACCTT TCAGGGTGAA TCTCCTCTAT AAACATTCCA
 32221 GCACCTTCAA CCATGCCCAA ATAATTCTCA TCTCGCCACC TTCTCAATAT ATCTCTAAGC
 32281 AAATCCCGAA TATTAAGTCC GGCCATTGTA AAAATCTGCT CCAGAGCGCC CTCACAGACC TGTATAAGAT
 32341 AGCCTCAAGC AGCGAATCAT GATTGCAAAA ATTCAGGTTT CTCACAGACC TGTATAAGAT
 32401 TCAAAAGCGG AACATTAACA AAAATACCGC GATCCCGTAG GTCCCTTCGC AGGGCCAGCT
 32461 GAACATAATC GTGCAGGTCT GCACGGACCA GCGCGGCCAC TTCCCCGCCA GGAACCTTGA
 32521 CAAAAGAACC CACACTGATT ATGACACGCA TACTCGGAGC TATGCTAACC AGCGTAGCCC
 32581 CGATGTAAGC TTTGTTGCAT GGGCGGCGAT ATAAAATGCA AGGTGCTGCT CAAAAATCA
 32641 GGCAAGCCT CGCGCAAAAA AGAAAGCACA TCGTAGTCAT GCTCATGCAG ATAAAGGCAG
 32701 GTAAGCTCCG GAACCACCAC AGAAAAAGAC ACCATTTTTT TCTCAAACAT GTCTGCGGGT
 32761 TTCTGCATAA ACACAAAATA AAATAACAAA AAAACATTTA AACATTAGAA GCCTGTCTTA
 32821 CAACAGGAAA AACAACCCTT ATAAGCATAA GACGGACTAC GGCCATGCCG GCGTGACCGT
 32881 AAAAAAAGT GTCACCGTGA TTA AAAAGCA CCACCGACAG CTCCTCGGTC ATGTCCGGAG
 32941 TCATAATGTA AGACTCGGTA AACACATCAG GTTGATTCAT CGGTCAAGTGC TAAAAAGCGA
 33001 CCGAAATAGC CCGGGGGAAT ACATACCCGC AGGCGTAGAG ACAACATTAC AGCCCCCATA
 33061 GGAGGTATAA CAAAATTAAT AGGAGAGAAA AACACATAAA CACCTGAAAA ACCCTCCTGC
 33121 TAGGCCAAAA TAGCACCCTC CCGCTCCAGA ACAACATACA GCGCTTCACA GCGGCAGCCT
 33181 AACAGTCAGC CTTACCAGTA AAAAAGAAAA CCTATTAAAA AAACACCACT CGACACGGCA

FIGURE 22
(SHEET 10)

33241	CCAGCTCAAT	CAGTCACAGT	GTAAAAAAGG	GCCAAGTGCA	GAGCGAGTAT	ATATAGGACT
33301	AAAAAATGAC	GTAACGGTTA	AAGTCCACAA	AAAACACCCA	GAAAACCGCA	CGCGAACCTA
33361	CGCCCAGAAA	CGAAAGCCAA	AAAACCCACA	ACTTCCTCAA	ATCGTCACTT	CCGTTTTCCC
33421	ACGTTACGTA	ACTTCCCATT	TTAAGAAAAC	TACAATTCCC	AACACATACA	AGTTACTCCG
33481	CCCTAAAACC	TACGTCACCC	GCCCCGTTCC	CACGCCCCGC	GCCACGTCAC	AAACTCCACC
33541	CCCTCATTAT	CATATTGGCT	TCAATCCAAA	ATAAGGTATA	TTATTGATGA	TG

FIGURE 22
(SHEET 11)

LOCUS KD3 34341 bp DNA SYN 06-FEB-1999
 DEFINITION KD3
 ACCESSION KD3
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown
 Unclassified.
 REFERENCE 1 (bases 1 to 34341)
 AUTHORS Self
 JOURNAL Unpublished.
 FEATURES
 Location/Qualifiers
 CDS 1..34341
 /gene="KD3"
 /product="KD3"
 BASE COUNT 7951 a 9671 c 9464 g 7255 t
 ORIGIN

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      1 CATCATCAAT AATATACCTT ATTTTGGATT GAAGCCAATA TGATAATGAG GGGGTGGAGT
     61 TTGTGACGTG GCGCGGGGCG TGGGAACGGG GCGGGTGACG TAGTAGTGTG GCGGAAGTGT
    121 GATGTTGCAA GTGTGGCGGA ACACATGTAA GCGACGGATG TGGCAAAAGT GACGTTTTTG
    181 GTGTGCGCCG GTGTACACAG GAAGTGACAA TTTTCGCGCG GTTTTAGGCG GATGTTGTAG
    241 TAAATTTGGG CGTAACCGAG TAAGATTTGG CCATTTTCGC GGGAAACTG AATAAGAGGA
    301 AGTGAAATCT GAATAATTTT GTGTTACTCA TAGCGCGTAA TATTTGTCTA GGGCCGCGGG
    361 GACTTTGACC GTTTACGTGG AGACTCGCCC AGGTGTTTTT CTCAGGTGTT TTCCGCGTTC
    421 CGGGTCAAAG TTGGCGTTTT ATTATTATAG TCAGCTGACG TGTAGTGTAT TTATACCCGG
    481 TGAGTTCCTC AAGAGGCCAC TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
    541 TCCGACACCG GGA CTGAAAA TGAGACATGA GGTACTGGCT GATAATCTTC CACCTCCTAG
    601 CCATTTTGAA CCACCTACCC TTCACGAACT GTATGATTTA GACGTGACGG CCCCCGAAGA
    661 TCCCAACGAG GAGGCGGTTT CGCAGATTTT TCCCGACTCT GTAATGTTGG CGGTGCAGGA
    721 AGGGATTGAC TTA CTCACTT TTCCGCCGGC GCCCGGTTCT CCGGAGCCGC CTCACCTTTC
    781 CCGGCAGCCC GAGCAGCCGG AGCAGAGAGC CTGGGGTCCG GTTTGCCACG AGGCTGGCTT
    841 TCCACCCAGT GACGACGAGG ATGAAGAGGG TGAGGAGTTT GTGTTAGATT ATGTGGAGCA
    901 CCCCAGGCAC GGTTGCAGGT CTGTGCATTA TCACCGGAGG AATACGGGGG ACCCAGATAT
    961 TATGTGTTTCG CTTTGCTATA TGAGGACCTG TGGCATGTTT GTCTACAGTA AGTGAAAATT
   1021 ATGGGCAGTG GGTGATAGAG TGGTGGGTTT GGTGTGGTAA TTTTTTTTTT AATTTTTTACA
   1081 GTTTTGTGGT TTAAAGAATT TTGTATTGTG ATTTTTTTTAA AAGGTCCCTG GTCTGAACCT
   1141 GAGCCTGAGC CCGAGCCAGA ACCGGAGCCT GCAAGACCTA CCCGCCGTCC TAAAATGGCG
   1201 CCTGCTATCC TGAGACGCCC GACATCACCT GTGTCTAGAG AATGCAATAG TAGTACGGAT
   1261 AGCTGTGACT CCGGTCCCTC TAACACACCT CCTGAGATAC ACCCGGTGGT CCCGCTGTGC
   1321 CCCATTAAAC CAGTTGCCGT GAGAGTTGGT GGGCGTCGCC AGGCTGTGGA ATGTATCGAG
   1381 GACTTGCTTA ACGAGCCTGG GCAACCTTTG GACTTGAGCT GTAAACGCCC CAGGCCATAA
   1441 GGTGTAAACC TGTGATTGCG TGTGTGGTTA ACGCCTTTGT TTGCTGAATG AGTTGATGTA
   1501 AGTTTAATAA AGGGTGAGAT AATGTTTAACT TTGCATGGCG TGTTAAATGG GCGGGGGCTT
   1561 AAAGGGTATA TAATGCGCCG TGGGCTAATC TTGGTTACAT CTGACCTCAT GGAGGCTTGG
   1621 GAGTGTTTGG AAGATTTTTT TGCTGTGCGT AACTTGCTGG AACAGAGCTC TAACAGTACC
   1681 TCTTGGTTTT GGAGGTTTTT GTGGGGCTCA TCCCAGGCAA AGTTAGTCTG CAGAATTAAG
   1741 GAGGATTACA AGTGGAATT TGAAGAGCTT TTGAAATCCT GTGGTGAGCT GTTTGATTCT
   1801 TTGAATCTGG GTCACCAGGC GCTTTTCCAA GAGAAGGTCA TCAAGACTTT GGATTTTTTC
   1861 ACACCGGGGC GCGCTGCGGC TGCTGTTGCT TTTTGTAGTT TTATAAAGGA TAAATGGAGC
   1921 GAAGAAACCC ATCTGAGCGG GGGGTACCTG CTGGATTTTC TGGCCATGCA TCTGTGGAGA
   1981 GCGGTTGTGA GACACAAGAA TCGCCTGCTA CTGTTGTCTT CCGTCCGCCC GGCGATAATA
   2041 CCGACGGAGG AGCAGCAGCA GCAGCAGGAG GAAGCCAGGC GCGCGCGGCA GGAGCAGAGC
   2101 CCATGGAACC CGAGAGCCGG CCTGGACCCT CGGGAATGAA TGTTGTACAG GTGGCTGAAC
   2161 TGTATCCAGA ACTGAGACGC ATTTTGACAA TTACAGAGGA TGGGCAGGGG CTAAGGGGG
   2221 TAAAGAGGGA GCGGGGGGCT TGTGAGGCTA CAGAGGAGGC TAGGAATCTA GCTTTTAGCT
   2281 TAATGACCAG ACACCGTCCT GAGTGTATTA CTTTCAACA GATCAAGGAT AATTGCGCTA
   2341 ATGAGCTTGA TCTGCTGGCG CAGAAGTATT CCATAGAGCA GCTGACCACT TACTGGCTGC
   2401 AGCCAGGGGA TGATTTTGAG GAGGCTATTA GGGTATATGC AAAGGTGGCA CTTAGGCCAG
  
```

FIGURE 23
 (SHEET 1)

2461 ATTGCAAGTA CAAGATCAGC AAACCTGTAA ATATCAGGAA TTGTTGCTAC ATTTCTGGGA
2521 ACGGGGCCGA GGTGGAGATA GATACGGAGG ATAGGGTGGC CTTTAGATGT AGCATGATAA
2581 ATATGTGGCC GGGGGTGCTT GGCATGGACG GGGTGGTTAT TATGAATGTA AGGTTTACTG
2641 GCCCAATTT TAGCGGTACG GTTTTCCTGG CCAATACCAA CCTTATCCTA CACGGTGTA
2701 GCTTCTATGG GTTTAACAAT ACCTGTGTGG AAGCCTGGAC CGATGTAAGG GTTCGGGGCT
2761 GTGCCTTTTA CTGCTGCTGG AAGGGGGTGG TGTGTCGCCC CAAAAGCAGG GCTTCAATTA
2821 AGAAATGCCT CTTTGAAAGG TGTACCTTGG GTATCCTGTC TGAGGGTAAC TCCAGGGTGC
2881 GCCACAATGT GGCCTCCGAC TGTGGTTGCT TCATGCTAGT GAAAAGCGTG GCTGTGATTA
2941 AGCATAACAT GGTATGTGGC AACTGCGAGG ACAGGGCCTC TCAGATGCTG ACCTGCTCGG
3001 ACGGCAACTG TCACCTGCTG AAGACCATTG ACGTAGCCAG CCACTCTCGC AAGGCCTGGC
3061 CAGTGTTTGA GCATAACATA CTGACCCGCT GTTCCTTGCA TTTGGGTAAC AGGAGGGGGG
3121 TGTTCTTACC TTACCAATGC AATTTGAGTC AACTAAGAT ATTGCTTGAG CCCGAGAGCA
3181 TGTCCAAGGT GAACCTGAAC GGGGTGTTTG ACATGACCAT GAAGATCTGG AAGGTGCTGA
3241 GGTACGATGA GACCCGCACC AGGTGCAGAC CCTGCGAGTG TGGCGGTAAA CATATTAGGA
3301 ACCAGCCTGT GATGCTGGAT GTGACCGAGG AGCTGAGGCC CGATCACTTG GTGCTGGCCT
3361 GCACCCGCGC TGAGTTTGGC TCTAGCGATG AAGATACAGA TTGAGGTACT GAAATGTGTG
3421 GGCGTGGCTT AAGGGTGGGA AAGAAATATAT AAGGTGGGGG TCTTATGTAG TTTTGTATCT
3481 GTTTTGACAGC AGCCGCCGCC GCCATGAGCA CCAACTCGTT TGATGGAAGC ATTGTGAGCT
3541 CATATTTGAC AACCGCATG CCCCCATGGG CCGGGGTGCG TCAGAATGTG ATGGGTCCA
3601 GCATTGATGG TCGCCCCGTC CTGCCCGCAA ACTCTACTAC CTTGACCTAC GAGACCGTGT
3661 CTGGAACGCC GTTGAGACT GCAGCCTCCG CCGCCGCTTC AGCCGCTGCA GCCACCGCCC
3721 GCGGATTGT GACTGACTTT GCTTTCCTGA GCCCCTTGC AAGCAGTGCA GCTTCCCGTT
3781 CATCCGCCCC CGATGACAAG TTGACGGCTC TTTTGGCACA ATTGGATTCT TTGACCCGGG
3841 AACTTAATGT CGTTTCTCAG CAGCTGTTGG ATCTGCGCCA GCAGGTTTCT GCCCTGAAGG
3901 CTTCTCCCC TCCCAATGCG GTTTAAACA TAAATAAAAA ACCAGACTCT GTTTGGATTT
3961 GGATCAAGCA AGTGTCTTGC TGTCTTTATT TAGGGGTTTT GCGCGCGCGG TAGGCCCGGG
4021 ACCAGCGGTC TCGGTCGTTG AGGGTCCTGT GTATTTTTTC CAGGACGTGG TAAAGGTGAC
4081 TCTGGATGTT CAGATACATG GGCATAAGCC CGTCTCTGGG GTGGAGGTAG CACCACTGCA
4141 GAGCTTCATG CTGCGGGGTG GTGTTGTAGA TGATCCAGTC GTAGCAGGAG CGCTGGGCGT
4201 GGTGCCTAAA AATGTCTTTC AGTAGCAAGC TGATTGCCAG GGGCAGGCCC TTGGTGTAAG
4261 TGTTTACAAA GCGGTTAAGC TGGGATGGGT GCATACGTGG GGATATGAGA TGCATCTTGG
4321 ACTGTATTTT TAGGTTGGCT ATGTTCCAG CCATATCCCT CCGGGGATTC ATGTTGTGCA
4381 GAACCACTAG CACAGTGTAT CCGGTGCACT TGGGAAATTT GTCATGTAGC TTAGAAGGAA
4441 ATGCGTGGAA GAACCTGGAG ACGCCCTTGT GACCTCCAAG ATTTTCCATG CATTCGTCCA
4501 TAATGATGGC AATGGGCCCC CGGGCGGCGG CCTGGGCGAA GATATTTCTG GGATCACTAA
4561 CGTCATAGTT GTGTTCCAGG ATGAGATCGT CATAGGCCAT TTTTACAAAG CGCGGGCGGA
4621 GGGTGCCAGA CTGCGGTATA ATGTTCCAT CCGGCCCAGG GGCGTAGTTA CCCTCACAGA
4681 TTTGCATTTT CCACGCTTGT AGTTCAGATG GGGGGATCAT GTCTACCTGC GGGGCGATGA
4741 AGAAAACGGT TTCCGGGGTA GGGGAGATCA GCTGGGAAGA AAGCAGGTTT CTGAGCAGCT
4801 GCGACTTACC GCAGCCGGTG GGCCCGTAAA TCACACCTAT TACCGGGTGC AACTGGTAGT
4861 TAAGAGAGCT GCAGCTGCCG TCATCCCTGA GCAGGGGGGC CACTTCGTTA AGCATGTCCC
4921 TGACTCGCAT GTTTTCCCTG ACCAAATCCG CCAGAAGGCG CTCGCCGCC AGCGATAGCA
4981 GTTCTTGCAA GGAAGCAAAG TTTTCAACG GTTTGAGACC GTCCGCCGTA GGCATGCTTT
5041 TGAGCGTTTG ACCAAGCAGT TCCAGGCGGT CCCACAGCTC GGTCACCTGC TCTACGGCAT
5101 CTCGATCCAG CATATCTCCT CGTTTCGCGG GTTGGGGCGG CTTTCGCTGT ACGGCAGTAG
5161 TCGGTGCTCG TCCAGACGGG CCAGGGTCAT GTCTTTCCAC GGGCGCAGGG TCCTCGTCAG
5221 CGTAGTCTGG GTACAGGTGA AGGGGTGCGC TCCGGGCTGC GCGCTGGCCA GGGTGCGCTT
5281 GAGGCTGGTC CTGCTGGTGC TGAAGCGCTG CCGGTCTTCG CCCTGCGCGT CGGCCAGGTA
5341 GCATTTGACC ATGGTGTCTAT AGTCCAGCCC CTCCGCGGCG TGGCCCTTGG CGCGCAGCTT
5401 GCCCTTGGAG GAGGCGCCGC ACGAGGGGCA GTGCAGACTT TTGAGGGCGT AGAGCTTGGG
5461 CGCGAGAAAT ACCGATTCCG GGGAGTAGGC ATCCGCGCCG CAGGCCCCGC AGACGGTCTC
5521 GCATTCCACG AGCCAGGTGA GCTCTGGCCG TTCGGGGTCA AAAACCAGGT TTCCCCATG
5581 CTTTTTGATG CGTTTCTTAC CTCTGGTTTC CATGAGCCGG TGTCCACGCT CGGTGACGAA
5641 AAGGCTGTCC GTGTCCCCGT ATACAGACTT GAGAGGCCTG TCCTCGAGCG GTGTTCCGCG
5701 GTCCTCCTCG TATAGAACT CGGACCACTC TGAGACAAAG GCTCGCGTCC AGGCCAGCAC
5761 GAAGGAGGCT AAGTGGGAGG GGTAGCGGTC GTTGTTCACT AGGGGGTCCA CTCGCTCCAG
5821 GGTGTGAAGA CACATGTCGC CCTCTTCGGC ATCAAGGAAG GTGATTGGTT TGTAGGTGTA

FIGURE 23
(SHEET 2)

5881 GGCCACGTGA CCGGGTGTTC CTGAAGGGGG GCTATAAAAG GGGGTGGGGG CGCGTTCGTC.
5941 CTCACTCTCT TCCGCATCGC TGTCTGCGAG GGCCAGCTGT TGGGGTGAGT ACTCCCTCTG
6001 AAAAGCGGGC ATGACTTCTG CGCTAAGATT GTCAGTTTCC AAAAACGAGG AGGATTTGAT
6061 ATTCACCTGG CCCGCGGTGA TGCCTTTGAG GGTGGCCGCA TCCATCTGGT CAGAAAAGAC
6121 AATCTTTTTG TTGTCAAGCT TGGTGGCAAA CGACCCGTAG AGGGCGTTGG ACAGCAACTT
6181 GGCGATGGAG CGCAGGGTTT GGTTTTTGTG GCGATCGGCG CGCTCCTTGG CCGCGATGTT
6241 TAGCTGCACG TATTCGCGCG CAACGCACCG CCATTGCGGA AAGACGGTGG TGGCTCGTC
6301 GGGCACCAGG TGCACGCGCC AACC GCGGTT GTGCAGGGTG ACAAGGTCAA CGCTGGTGGC
6361 TACCTCTCCG CGTAGGCGCT CGTTGGTCCA GCAGAGGCGG CCGCCCTTGC GCGAGCAGAA
6421 TGGCGGTAGG GGGTCTAGCT GCGTCTCGTC CCGGGGGTCT GCGTCCACGG TAAAGACCCC
6481 GGGCAGCAGG CGCGCGTCGA AGTAGTCTAT CTTGCATCCT TGCAAGTCTA TGCCTGCTG
6541 CCATGCGCGG GCGGCAAGCG CGCGCTCGTA TGGGTTGAGT GGGGGACCCC ATGGCATGGG
6601 GTGGGTGAGC GCGGAGGCGT ACATGCCGCA AATGTCGTAA ACGTAGAGGG GCTCTCTGAG
6661 TATTCCAAGA TATGTAGGGT AGCATCTTCC ACCGCGGATG CTGGCGCGCA CGTAATCGTA
6721 TAGTTCGTGC GAGGGAGCGA GGAGGTCGGG ACCGAGGTTG CTACGGGCGG GCTGCTCTGC
6781 TCGGAAGACT ATCTGCCTGA AGATGGCATG TGAGTTGGAT GATATGGTTG GACGCTGGAA
6841 GACGTTGAAG CTGGCGTCTG TGAGACCTAC CGCGTCACGC ACGAAGGAGG CGTAGGAGTC
6901 GCGCAGCTTG TTGACCAGCT CGGCGGTGAC CTGCACGTCT AGGGCGCAGT AGTCCAGGGT
6961 TTCTTGATG ATGTCATACT TATCCTGTCC CTTTTTTTTT CACAGCTCGC GGTGAGGAC
7021 AAACCTCTCG CGGTCTTTCC AGTACTCTTG GATCGGAAAC CCGTCCGCTT TTTCTACGGG
7081 AGAGCCTAGC ATGTAGAACT GGTGACGGC CTGGTAGGGC GAGGTTGTGG GTGAGCGCAA AGGTGTCCCT
7141 TAGCGGTAT GCCTGCGCGG CCTTCCGGAG CGAGGTGTGG GTGAGCGCAA AGGTGTCCCT
7201 GACCATGACT TTGAGGTACT GGTATTTGAA GTGAGTGTG TCGCATCCGC CTTGCTCCCA
7261 GAGCAAAAAG TCCGTGCGCT TTTTGAACG CGGATTTGGC AGGGCGAAGG TGACATCGTT
7321 GAAGAGTATC TTTCCGCGC GAGGCATAAA GTTGCCTGTG ATGCGGAAGG GTCCCGGCAC
7381 CTCGGAACGG TTGTTAATTA CCTGGGCGGC GAGCACGATC TCGTCAAAGC CGTTGATGTT
7441 GTGGCCCAACA ATGTAAAGTT CCAAGAAGCG CGGGATGCCC TTGATGGAAG GCAATTTTTT
7501 AAGTTCCTCG TAGGTGAGCT CTTCAGGGGA GCTGAGCCCG TGCTCTGAAA GGGCCAGTC
7561 TGCAAGATGA GGGTTGGAAG CGACGAATGA GCTCCACAGG TCACGGGCCA TTAGCATTTG
7621 CAGGTGGTCG CGAAAGGTCC TAACTGGCG ACCTATGGCC ATTTTTTCTG GGGTGATGCA
7681 GTAGAAGGTA AGCGGGTCTT GTTCCACGCG GTCCCATCCA AGGTTTCGCG CTAGGTCTCG
7741 CGCGGCAGTC ACTAGAGGCT CATCTCCGCC GAACCTCATG ACCAGCATGA AGGGCACGAG
7801 CTGCTTCCCA AAGGCCCCCA TTCAAGTATA GGTCTCTACA TCGTAGGTGA CAAAGAGACG
7861 CTCGGTGCGA GGATGCGAGC CGATCGGGAA GAACTGGATC TCCCGCCACC AATTGGAGGA
7921 GTGGCTATTG ATGTGGTGAA AGTAGAAGTC CCTGCGACGG GCCGAACACT CGTGCTGGCT
7981 TTTGTAAAAA CGTGCGCAGT ACTGGCAGCG GTGCACGGGC TGTACATCCT GCACGAGGTT
8041 GACCTGACGA CCGCGCACAA GGAAGCAGAG TGGGAATTG AGCCCTCGC CTGGCGGGTT
8101 TGGCTGGTGG TCTTCTACTT CGGCTGCTTG TCCTTGACCG TCTGGCTGCT CGAGGGGAGT
8161 TACGGTGGAT CGGACCACCA CGCCGCGCGA GCCCCAAGTC CAGATGTCCG CGCGCGCGCG
8221 TCGGAGCTTG ATGACAACAT CGCGCAGATG GGAGCTGTCC ATGGTCTGGA GCTCCCGCGG
8281 CGTCAGGTCA GGCGGGAGCT CCTGCAGGTT TACCTCGCAT AGACGGGTCA GGGCGCGGGC
8341 TAGATCCAGG TGATACCTAA TTTCCAGGGG CTGGTTGGTG GCGGCGTCGA TGGCTTGCAA
8401 GAGGCCGCGT CCCC GCGGCG CGACTACGCT ACCGCGCGGC GGGCGGTGGG CCGCGGGGGT
8461 GTCCTTGGAT GATGCATCTA AAAGCGGTGA CGCGGGCGAG CCCCCGAGG TAGGGGGGGC
8521 TCCGGATCCG CCGGGAGAGG GGGCAGGGGC ACGTCGGCGC CGCGCGCGGG CAGGAGCTGG
8581 TGCTGCGCGC GTAGGTTGCT GGC GAACGCG ACGACGCGGC GGTGATCTC CTGAATCTGG
8641 CGCCTCTGCG TGAAGACGAC GGGCCCGGTG AGCTTGAGCC TGAAAGAGAG TTCGACAGAA
8701 TCAATTTTCG TGTCGTTGAC GGC GGCCTGG CGCAAAATCT CCTGCACGTC TCCTGAGTTG
8761 TCTTGATAGG CGATCTCGGC CATGAACTGC TCGATCTCTT CCTCCTGGAG ATCTCCGCGT
8821 CCGGCTCGCT CCACGGTGGC GGC GAGGTGCT TTGGAAATGC GGGCCATGAG CTGCGAGAAG
8881 GCGTTGAGGC CTCCCTCGTT CCAGACGCGG TCGTAGACCA CGCCCCCTTC GGCATCGCGG
8941 GCGCGCATGA CCACCTGCGC GAGATTGAGC TCCACGTGCC GGGCGAAGAC GGC GTAGTTT
9001 CGCAGGCGCT GAAAGAGGTA GTTGAGGGTG GTGGCGGTGT GTTCTGCCAC GAAGAAGTAC
9061 ATAACCAGC GTCGCAACGT GGATTGCTTG ATATCCCCCA AGGCCTCAAG GCGCTCCATG
9121 GCCTCGTAGA AGTCCACGGC GAAGTTGAAA AACTGGGAGT TGCGCGCCGA CACGGTTAAC
9181 TCCTCCTCCA GAAGACGGAT GAGCTCGGCG ACAGTGTGCG GCACCTCGCG CTCAAAGGCT
9241 ACAGGGGCCCT CTTCTTCTTC TTCAATCTCC TCTTCCATAA GGGCCTCCCC TTCTTCTTCT

FIGURE 23
(SHEET 3)

9301 TCTGGCGGCG GTGGGGGAGG GGGGACACGG CGGCGACGAC GGCGCACCGG GAGGCGGTCG
 9361 ACAAAGCGCT CGATCATCTC CCCGCGGCGA CGGCGCATGG TCTCGGTGAC GGC GCGGCCG
 9421 TTCTCGCGGG GCGCGAGTTG GAAGACGCCG CCCGTCATGT CCCGGTTATG GGTGGCGGG
 9481 GGGCTGCCAT GCGGCAGGGA TACGGCGCTA ACATGATC TCAACAATTG TTGTGTAGGT
 9541 ACTCCGCCGC CGAGGGACCT GAGCGAGTCC GCATCGACCG GATCGGAAAA CCTCTCGAGA
 9601 AAGGCGTCTA ACCAGTCACA GTCGCAAGGT AGGCTGAGCA CCGTGGCGGG CCGCAGCGGG
 9661 CGGCGGTGCG GGTGTGTTCT GCGGAGGTG CTGCTGATGA TGTAAATAAA GTAGGCGGTC
 9721 TTGAGACGGC GGATGGTCGA CAGAAGCACC ATGTCCTTGG GTCCGGCCTG CTGAATGCGC
 9781 AGGCGGTGCG CCATGCCCCA GGCTTCGTTT TGACATCGGC GCAGGTCTTT GTAGTAGTCT
 9841 TGCATGAGCC TTTCTACCGG CACTTCTTCT TCTCCTTCCT CTTGTCTGTC ATCTCTTGCA
 9901 TCTATCGCTG CCGCGGCGGC GGAGTTTGGC CGTAGGTGGC GCCCTCTTCC TCCCATCGT
 9961 GTGACCCCGA AGCCCTCAT CGGTGAAGC AGGGCTAGGT CCGCGACAAC GCGCTCGGCT
 10021 AATATGGCCT GCTGCACCTG CGTGAGGTA GACTGGAAGT CATCCATGTC CACAAAGCGG
 10081 TGGTATGCGC CCGTGTGAT GGTGTAAGTG CAGTTGGCCA TAACGGACCA GTTAACGGTC
 10141 TGGTGACCGG GCTGCGAGAG CTCGGTGATC CTGAGACGCG AGTAAGCCCT CGAGTCAAAT
 10201 ACGTAGTCGT TGCAAGTCCG CACCAGGTAC TGGTATCCCA CCAAAAAGTG CCGCGGCGGC
 10261 TGGCGGTAGA GGGGCCAGCG TAGGGTGGCC GGGGCTCCGG GGGCGAGATC TTCCAACATA
 10321 AGGCGATGAT ATCCGTAGAT GTACCTGGAC ATCCAGGTGA TGCCGCGCGC GGTGGTGGAG
 10381 GCGCGCGGAA AGTCGCGGAC GCGGTTCCAG ATGTTGCGCA GCGGCAAAAA GTGCTCCATG
 10441 GTCGGGACGC TCTGGCCGGT CAGGCGCGCG CAATCGTTGA CGCTCTAGCG TGCAAAAAGGA
 10501 GAGCCTGTAA GCGGGCACTC TTCCGTGGTC TGGTGGATAA ATTCGCAAGG GTATCATGGC
 10561 GGACGACCGG GGTTCGAGCC CCGTATCCGG CCGTCCGCGG TGATCCATGC GGTACCGCC
 10621 CGCGTGTGCA ACCCAGGTGT GCGAGCTCAG ACAACGGGGG AGTGCTCCTT TTGGCTTCTT
 10681 TCCAGGCGCG GCGGCTGCTG CGCTAGCTTT TTTGGCCACT GGCCGCGCGC AGCGTAAGCG
 10741 GTTAGGCTGG AAAGCGAAAG CATTAAAGTG CTCGCTCCCT GTAGCCGGAG GGTATTTTC
 10801 CAAGGGTTGA GTCGCGGGAC CCCC GTTCG AGTCTCGGAC CCGCCGGACT GCGGCGAAGC
 10861 GGGGTTTGCC TCCCCGTCAT GCAAGACCCC GCTTGCAAAT TCCTCCGGAA ACAGGGACGA
 10921 GCCCTTTTTT TGCTTTTCCC AGATGCATCC GGTGCTGCGG CAGATGCGCC CCCCTCCTCA
 10981 GCAGCGGCAA GAGCAAGAGC AGCGGCAGAC ATGCAGGGCA CCCTCCCCTC CTCCTACCGC
 11041 GTCAGGAGGG GCGACATCCG CGGTTGACGC GGCAGCAGAT GGTGATTACG AACCCCGCG
 11101 GCGCCGGGCC CCGCACTACC TGGACTTGGA GGAGGGCGAG GGCCTGGCGC GGCTAGGAGC
 11161 GCCCTCTCCT GAGCGGTACC CAAGGGTGCA GCTGAAGCGT GATACGCGTG AGGCGTACGT
 11221 GCGCGGCGAG AACCTGTTTC GCGACCGCGA GGGAGAGGAG CCGGAGGAG CCGGGATCG
 11281 AAAGTTCCAG GCAGGGCGCG AGCTGCGGCA TGGCCTGAAT CGCGAGCGGT TGCTGCGCGA
 11341 GGAGGACTTT GAGCCCGACG CGCGAACCGG GATTAGTCCC GCGCGCGCAC ACGTGGCGGC
 11401 CGCCGACCTG GTAACCGCAT ACGAGCAGAC GGTGAACCGAG GAGATTAACT TTCAAAAAG
 11461 CTTTAACAAC CACGTGCGTA CGCTTGTTGG GCGCGAGGAG GTGGCTATAG GACTGATGCA
 11521 TCTGTGGGAC TTTGTAAGCG CGCTGGAGCA AAACCCAAAT AGCAAGCCGC TCATGGCGCA
 11581 GCTGTTCCTT ATAGTGCAGC ACAGCAGGGA CAACGAGGCA TTCAGGGATG CGCTGCTAAA
 11641 CATAGTAGAG CCCGAGGGCC GCTGGCTGCT CGATTTGATA AACATCCTGC AGAGCATAGT
 11701 GGTGCAGGAG CGCAGCTTGA GCCTGGCTGA CAAGGTGGCC GCCATCAACT ATTCCATGCT
 11761 TAGCCTGGGC AAGTTTTACG CCCGCAAGAT ATACCATACC CCTTACGTTT CCATAGACAA
 11821 GGAGGTAAAG ATCGAGGGGT TCTACATGCG CATGGCGCTG AAGGTGCTTA CTTTGAGCGA
 11881 CGACCTGGGC GTTTATCGCA ACGAGCGCAT CCACAAGGCC GTGAGCGTGA CCGGGCGCG
 11941 CGAGCTCAGC GACCGCGAGC TGATGACAG CCTGCAAAGG GCCCTGGCTG GCACGGGCGAG
 12001 CGGCGATAGA GAGGCCGAGT CCTACTTTGA CGCGGGCGCT GACCTGCGCT GGGCCCCAAG
 12061 CCGACGCGCC CTGGAGGCAG CTGGGGCCGG ACCTGGGCTG GCGGTGGCAC CCGCGCGCGC
 12121 TGGCAACGTC GCGGGCGTGG AGGAATATGA CGAGGACGAT GAGTACGAGC CAGAGGACGG
 12181 CGAGTACTAA GCGGTGATGT TTCTGATCAG ATGATGCAAG ACGCAACGGA CCCGGCGGTG
 12241 CCGGCGGCGC TGCAGAGCCA GCCGTCCGGC CTTAACTCCA CGGACGACTG GCGCCAGGTC
 12301 ATGGACCGCA TCATGTCGCT GACTGCGCGC AATCCTGACG CGTTCGGGCA GCAGCCGCGAG
 12361 GCCAACCGGC TCTCCGCAAT TCTGGAAGCG GTGGTCCCGG CCGCGCGAAA CCCCACGCAC
 12421 GAGAAGGTG TGGCGATCGT AAACGCGCTG GCCGAAAACA GGGCCATCCG CCGGACGAG
 12481 GCGGCGCTG TCTACGACGC GCTGCTTCAG CGCGTGGCTC GTTACAACAG CCGCAACGTG
 12541 CACACCAACC TGGACCGGCT GGTGGGGGAT GTGCGCGAGG CCGTGGCGCA GCGTGAGCGC
 12601 GCGCAGCAGC AGGGCAACCT GGGCTCCATG GTTGCACTAA ACGCCTTCTT GAGTACACAG
 12661 CCCGCCAACG TGCCGCGGGG ACAGGAGGAC TACACCAACT TTGTGAGCGC ACTGCGGCTA

FIGURE 23
(SHEET 4)

12721 ATGGTGA CTG AGACACCGCA AAGTGAGGTG TACCA GTCTG GGCCAGACTA TTTTTCAG
12781 ACCAGTAGAC AAGGCCTGCA GACCGTAAAC CTGAGCCAGG CTTTCAAAAA CTTGCAGGGG
12841 CTGTGGGGGG TGCGGGCTCC CACAGGCGAC CGCGCGACCG TGTCTAGCTT GCTGACGCCC
12901 AACTCGCGCC TGTGTCTGCT GCTAATAGCG CCCTTCACGG ACAGTGGCAG CGTGTCCCGG
12961 GACACATACC TAGGTCACTT GCTGACACTG TACCGCGAGG CCATAGGTCA GGCGCATGTG
13021 GACGAGCATA CTTTCCAGGA GATTACAAGT GTCAGCCGCG CGCTGGGGCA GGAGGACACG
13081 GGCAGCCTGG AGGCAACCCT AAACCTACCTG CTGACCAACC GGCGGCAGAA GATCCCTCG
13141 TTGCACAGTT TAAACAGCGA GGAGGAGCGC ATTTTTCGCT ACGTGCAGCA GAGCGTGAGC
13201 CTTAACCTGA TGCGCGACGG GGTAAACGCC AGCGTGGCGC TGGACATGAC CGCGCGCAAC
13261 ATGGAACCGG GCATGTATGC CTCAAACCGG CCGTTTATCA ACCGCCTAAT GGACTACTTG
13321 CATCGCGCGG CCGCCGTGAA CCCCAGTAT TTCACCAATG CCATCTTGAA CCCGCACTGG
13381 CTACCGCCCC CTGGTTTCTA CACCGGGGGA TTCGAGGTGC CCGAGGGTAA CGATGGATTC
13441 CTCTGGGACG ACATAGACGA CAGCGTGTTC TCCCCGCAAC CGCAGACCCT GCTAGAGTTG
13501 CAACAGCGCG AGCAGGCAGA GGCGGCGCTG CGAAAGGAAA GCTTCCGCAG GCCAAGCAGC
13561 TTGTCCGATC TAGGCGCTGC GGCCCCGCG TCAGATGCTA GTAGCCCATT TCCAAGCTTG
13621 ATAGGTCTC TTACCAGCAC CGCTGCTGCA GCCGCAGCGC GAAAAAAACC TGCCTCCGGC ATTTCCCAAC
13681 CTAAACAAC CTGCTGCTGCA GCCGCAGCGC GAAAAAAACC TGCCTCCGGC ATTTCCCAAC
13741 AACGGGATAG AGAGCCTAGT GGACAAGATG AGTAGATGGA AGACGTACGC GCAGGAGCAC
13801 AGGGACGTGC CAGGCCCCGCG CCGCCCCACC CGTTCGTCAA GGCACGACCG TCAGCGGGGT
13861 CTGGTGTGGG AGGACGATGA CTCGGCAGAC GACAGCAGCG TCCTGGATT TGGAGGGAGT
13921 GGCAACCCGT TTGCGCACCT TCGCCCCAGG CTGGGGAGAA TGTTTTAAAA AAAAAAAGC
13981 ATGATGCAAA ATAAAAA ACT CACCAAGGCC ATGGCACCGA GCGTTGGTTT TCTTGTATTC
14041 CCCTTAGTAT GCGGCGCGCG GCGATGTATG AGGAAGGTCC TCCTCCCTCC TACGAGAGTG
14101 TGGTGAGCGC GGCGCCAGTG GCGGCGCGCG TGGGTTCTCC CTTTCGATGCT CCCCTGGACC
14161 CGCCGTTTGT GCCTCCGCGG TACCTGCGGC CTACCGGGGG GAGAAACAGC ATCCGTTACT
14221 CTGAGTTGGC ACCCCTATTG GACACCACCC GTGTGTACCT GGTGGACAAC AAGTCAACGG
14281 ATGTGGCATC CCTGAAC TAC CAGAACGACC ACAGCAACTT TCTGACCAG GTCATTCAA
14341 ACAATGACTA CAGCCCCGGG GAGGCAAGCA CACAGACCAT CAATCTTGAC GACCGGTCCG
14401 ACTGGGCGG CGACCTGAAA ACCATCCTGC ATACCAACAT GCCAAATGTG AACGAGTTCA
14461 TGTTTACCAA TAAGTTAAG GCGCGGGTGA TGGTGTGCGG CTTGCCTACT AAGGACAATC
14521 AGGTGGAGCT GAAATACGAG TGGGTGGAGT TCACGCTGCC CGAGGGCAAC TACTCCGAGA
14581 CCATGACCAT AGACCTTATG AACAACGCGA TCGTGGAGCA CTACTTGAAA GTGGGCAGAC
14641 AGAACGGGGT TCTGGAAAGC GACATCGGGG TAAAGTTTGA CACCCGCAAC TTCAGACTGG
14701 GGTTTGACCC CGTCACTGGT CTTGTATGCT CTGGGGTATA TACAAACGAA GCCTTCCATC
14761 CAGACATCAT TTTGCTGCCA GGATGCGGGG TGGACTTCAC CCACAGCCGC CTGAGCAACT
14821 TGTGCGCAT CCGCAAGCGG CAACCTTCC AGGAGGGCTT TAGGATCACC TACGATGATC
14881 TGGAGGGTGG TAACATTCCC GCACTGTTGG ATGTGGACGC CTACAGGCG AGCTTGAAG
14941 ATGACACCGA ACAGGGCGGG GGTGGCGCAG GCGGCAGCAA CAGCAGTGGC AGCGGCGCGG
15001 AAGAGAACTC CAACGCGGCA GCCGCGGCAA TGCAGCCGGT GGAGGACATG AACGATCATG
15061 CCATTGCGGG CGACACCTTT GCCACACGGG CTGAGGAGAA GCGCGCTGAG CCCGAAGCAG
15121 CGGCCGAAGC TGCCGCCCCC GCTGCGCAAC CCGAGGTGCA GAAGCCTCAG AAGAAACCGG
15181 TGATCAAACC CCTGACAGAG GACAGCAAGA AACGCAGTTA CAACCTAATA AGCAATGACA
15241 GCACCTTAC CCAGTACCGC AGCTGGTACC TTGCATACAA CTACGGCGAC CCTCAGACCG
15301 GAATCCGCTC ATGGACCCTG CTTTGCACCT CTGACGTAA CCGCTCCACG CGCCAGATCA
15361 ACTGGTCTGT GCCAGACATG ATGCAAGACC CCGTGACCTT CCGCTCCACG CGCCAGATCA
15421 GCAACTTTCC GGTGGTGGGC GCGGAGCTGT TGCCCGTGCA CTCCAAGAGC TTCTACAACG
15481 ACCAGGCGGT CTA CTCTCCAA CTCATCCGCC AGTTTACCTC TCTGACCCAC GTGTTCAATC
15541 GCTTTCCCGA GAACAGATT TTGGCGCGCC CGCCAGCCCC CACCATCACC ACCGTCAGTG
15601 AAAACGTTCC TGCTCTACA GATCACGGGA CGCTACCGCT GCGCAACAGC ATCGGAGGAG
15661 TCCAGCGAGT GACCATTACT GACGCCAGAC GCCGCACCTG CCCCTACGTT TACAAGGCCC
15721 TGGGCATAGT CTCGCGCGC GTCTATCGA GCCGCACTTT TTGAGCAAGC ATGTTCATCC
15781 TTATATCGCC CAGCAATAAC ACAGGCTGGG GCCTGCGCTT CCAAGCAAG ATGTTTGGCG
15841 GGGCCAAGAA GCGCTCCGAC CAACACCCAG TGCGCGTGCG CCGGCACTAC CGCGCGCCCT
15901 GGGGCGCGCA CAAACGCGGC CGCACTGGGC GCACCACCGT CGATGACGCC ATCGACGCGG
15961 TGGTGGAGGA GGCGCGCAAC TACACGCCCA CGCCGCCACC AGTGTCACA GTGGACGCGG
16021 CCATTGAGAC CGTGGTGC GC GGAGCCCGG GCTATGCTAA AATGAAGAGA CGGCGGAGGC
16081 GCGTAGCACG TCGCCACCGC CGCCGACCCG GCACTGCCG CCAACGCGCG GCGGCGGCC

FIGURE 23
(SHEET 5)

16141	TGCTTAACCG	CGCACGTTCG	ACCGGCCGAC	GGGCGGCCAT	GCGGGCCGCT	CGAAGGCTGG
16201	CCGCGGGTAT	TGTCACGTG	CCCCCAGGT	CCAGGCGACG	AGCGGCCGCC	GCAGCAGCCG
16261	CGGCCATTAG	TGCTATGACT	CAGGGTCGCA	GGGGCAACGT	GTATTGGGTG	CGCGACTCGG
16321	TTAGCGGCCT	GCGCGTGCCC	GTGCGCACC	GCCCCCGCG	CAACTAGATT	GCAAGAAAAA
16381	ACTACTTAGA	CTCGTACTGT	TGTATGTATC	CAGCGGCGGC	GGCGCGCAAC	GAAGCTATGT
16441	CCAAGCGCAA	AATCAAAGAA	GAGATGCTCC	AGGTCATCGC	GCCGGAGATC	TATGGCCCCC
16501	CGAAGAAGGA	AGAGCAGGAT	TACAAGCCCC	GAAAGCTAAA	GCGGGTCAAA	AAGAAAAAGA
16561	AAGATGATGA	TGATGAACTT	GACGACGAGG	TGGAAGTCTG	GCACGCTACC	GCGCCCAGGC
16621	GACGGGTACA	GTGGAAAGGT	CGACGCGTAA	AACGTGTTTT	GCGACCCGGC	ACCACCGTAG
16681	TCTTTACGCC	CGGTGAGCGC	TCCACCCGCA	CCTACAAGCG	CGTGTATGAT	GAGGTGTACG
16741	GCGACGAGGA	CCTGCTTGAG	CAGGCCAACG	AGCGCCTCGG	GGAGTTTGCC	TACGGAAGC
16801	GGCATAAGGA	CATGCTGGCG	TTGCCGCTGG	ACGAGGGCAA	CCCAACACCT	AGCCTAAAGC
16861	CGCTAACACT	GCAGCAGGTG	CTGCCCGCG	TTGCACCGTC	CGAAGAAAAG	CGCGGCCATA
16921	AGCGCGAGTC	TGGTGACTTG	GCACCCACCG	TGCAGCTGAT	GGTACCCAAG	CGCCAGCGAC
16981	TGGAAGATGT	CTTGGAAGAA	ATGACCGTGG	AACCTGGGCT	GGAGCCCGAG	GTCCGCGTGC
17041	GGCCAATCAA	GCAGGTGGCG	CCGGGACTGG	GCGTGCAGAC	CGTGAGCGTT	CAGATACCCA
17101	CTACCAGTAG	CACCAGTATT	GCCACCGCCA	CAGAGGGCAT	GGAGACACAA	ACGTCCCCCG
17161	TTGCCTCAGC	GGTGGCGGAT	GCCGCGGTGC	AGGCGGTGCG	TGCGGCCGCG	TCCAAGACCT
17221	CTACGGAGGT	GCAAACGGAC	CCGTGGATGT	TTGCGTTTTC	AGCCCCCGCG	CGCCCCGCGC
17281	GTTCGAGGAA	GTACGGCGCC	GCCAGCGCGC	TACTGCCCCG	ATATGCCCTA	CATCCTTCCA
17341	TTGCGCCTAC	CCCCGGCTAT	CGTGGCTACA	CCTACCGCCC	CAGAAGACGA	GCAACTACCC
17401	GACGCCGAAC	CACCACTGGA	ACCCGCCGCC	GCCGTCGCCG	TGCCAGCCCC	GTGCTGGCCC
17461	CGATTTCCTG	GCGCAGGGTG	GCTCGCGAAG	GAGGCAGGAC	CCTGGTGCTG	CCAACAGCGC
17521	GCTACCACCC	CAGCATCGTT	TAAAAGCCGG	TCTTTGTGGT	TCTTGACAGT	ATGGCCCTCA
17581	CCTGCCGCCT	CCGTTTCCCG	GTGCCGGGAT	TCCGAGGAAG	AATGCACCGT	AGGAGGGGCA
17641	TGGCCGGCCA	CGGCCTGACG	GGCGGCATGC	GTCGTGCGCA	CCACCGGCGG	CGGCGCGCGT
17701	CGCACCGTCG	CATGCGCGGC	GGTATCCTGC	CCCTCCTTAT	TCCACTGATC	GCCGCGCGCA
17761	TTGGCGCCGT	GCCCCGAATT	GCATCCGTGG	CCTTGCAGGC	GCAGAGACAC	TGATTAAAAA
17821	CAAGTTGCAT	GTGGAAAAAT	CAAAATAAAA	AGTCTGGACT	CTCACGCTCG	CTTGGTCCTG
17881	TAATAATTTT	GTAGAATGGA	AGACATCAAC	TTTGCGTCTC	TGGCCCCGCG	ACACGGCTCG
17941	CGCCCGTTCA	TGGGAAACTG	GCAAGATATC	GGCACCAGCA	ATATGAGCGG	TGGCGCCTTC
18001	AGCTGGGGCT	CGCTGTGGAG	CGGCATTAAT	AATTTTCGGT	CCACCGTTAA	GAAGTATGGC
18061	AGCAAGCCCT	GGAACAGCAG	CACAGGCCAG	ATGCTGAGGG	ATAAGTTGAA	AGAGCAAAAT
18121	TTCCAACAAA	AGGTGGTAGA	TGGCCTGGCC	TCTGGCATTG	GCGGGGTGGT	GGACCTGGCC
18181	AACCAGGCAG	TGCAAAATAA	GATTAACAGT	AAGCTTGATC	CCCGCCCTCC	CGTAGAGGAG
18241	CCTCCACCGG	CCGTGGAGAC	AGTGTCTCCA	GAGGGGCGTG	GCGAAAAGCG	TCCGCGCCCC
18301	GACAGGGAAG	AAACTCTGGT	GACGCAATAA	GACGAGCCTC	CCTCGTACGA	GGAGGCACTA
18361	AAGCAAGGCC	TGCCCACCAC	CCGTCCCATC	GCGCCCATGG	CTACCGGAGT	GCTGGGCCAG
18421	CACACACCCG	TAACGCTGGA	CCTGCCTCCC	CCCGCCGACA	CCCAGCAGAA	ACCTGTGCTG
18481	CCAGGCCCGA	CCGCCGTTGT	TGTAACCCGT	CCTAGCCGCG	CGTCCCTGCG	CCGCGCCGCC
18541	AGCGGTCCGC	GATCGTTGCG	GCCCCGTAGC	AGTGGCAACT	GGCAAAGCAC	ACTGAACAGC
18601	ATCGTGGGTC	TGGGGGTGCA	ATCCCTGAAG	CGCCGACGAT	GCTTCTGAAT	AGCTAACGTG
18661	TCGTATGTGT	GTCATGTATG	CGTCCATGTC	GCCGCCAGAG	GAGCTGCTGA	GCCGCCGCGC
18721	GCCCGCTTTC	CAAGATGGCT	ACCCTTCGTA	TGATGCCGCA	GTGGTCTTAC	ATGCACATCT
18781	CGGGCCAGGA	CGCCTCGGAG	TACCTGAGCC	CCGGGCTGGT	GCAGTTTGCC	CGCGCCACCG
18841	AGACGTACTT	CAGCCTGAAT	AACAAGTTTA	GAAACCCAC	GGTGGCGCCT	ACGCACGACG
18901	TGACCACAGA	CCGGTCCCAG	CGTTTGACGC	TGCGGTTTAT	CCCTGTGGAC	CGTGAGGATA
18961	CTGCGTACTC	GTACAAGGCG	CGGTTACACC	TAGCTGTGGG	TGATAACCGT	GTGCTGGACA
19021	TGGCTTCCAC	GTACTTTGAC	ATCCGCGGCG	TGCTGGACAG	GGGCCCTACT	TTTAAGCCCT
19081	ACTCTGGCAC	TGCCCTACAAC	GCCCTGGCTC	CCAAGGGTGC	CCCAAATCCT	TGCGAATGGG
19141	ATGAAGCTGC	TACTGCTCTT	GAAATAAACC	TAGAAGAAGA	GGACGATGAC	AACGAAGACG
19201	AAGTAGACGA	GCAAGCTGAG	CAGCAAAAAA	CTCACGTATT	TGGGCAGGCG	CCTTATTCTG
19261	GTATAAATAT	TACAAAGGAG	GGTATTCAAA	TAGGTGTGCA	AGGTCAAACA	CCTAAATATG
19321	CCGATAAAAC	ATTTCAACCT	GAACTCAAAA	TAGGAGAATC	TCACTGGTAC	GAAACTGAAA
19381	TTAATCATGC	AGCTGGGAGA	GTCCTTAAAA	AGACTACCCC	AATGAAACCA	TGTTACGGTT
19441	CATATGCAAA	ACCCACAAAT	GAAAATGGAG	GGCAAGGCAT	TCTTGTAAG	CAACAAAATG
19501	GAAAGCTAGA	AAGTCAAGTG	GAAATGCAAT	TTTTCTCAAC	TACTGAGGCG	ACCGCAGGCA

FIGURE 23
(SHEET 6)

19561 ATGGTGATAA CTTGACTCCT AAAGTGGTAT TGTACAGTGA AGATGTAGAT ATAGAAACCC
 19621 CAGACACTCA TATTCTTAC ATGCCCCACTA TTAAGGAAGG TAACTCACGA GAACTAATGG
 19681 GCCAACAATC TATGCCCAAC AGGCCTAATT ACATTGCTTT TAGGGACAAT TTTATTGGTC
 19741 TAATGTATTA CAACAGCACG GGTAATATGG GTGTTCTGGC GGGCCAAGCA TCGCAGTTGA
 19801 ATGCTGTTGT AGATTGCAA GACAGAAACA CAGAGCTTTC ATACCAGCTT TTGCTTGATT
 19861 CCATTGGTGA TAGAACCAGG TACTTTTCTA TGTGGAATCA GGCTGTTGAC AGCTATGATC
 19921 CAGATGTTAG AATTATTGAA AATCATGGAA CTGAAGATGA ACTTCCAAAT TACTGCTTTC
 19981 CACTGGGAGG TGTGATTAAT ACAGAGACTC TTACCAAGGT AAAACCTAAA ACAGGTCAGG
 20041 AAAATGGATG GGAAAAAGAT GCTACAGAAT TTTCAGATAA AAATGAAATA AGAGTTGGAA
 20101 ATAATTTTGC CATGGAAATC AATCTAAATG CCAACCTGTG GAGAAATTC CTGTACTCCA
 20161 ACATAGCGCT GTATTTGCCC GACAAGCTAA AGTACAGTCC TTCCAACGTA AAAATTTCTG
 20221 ATAACCCAAA CACCTACGAC TACATGAACA AGCGAGTGGT GGCTCCCGGG TTAGTGGACT
 20281 GCTACATTAA CCTTGAGGCA CGCTGGTCCC TTGACTATAT GGACAACGTC AACCATTATA
 20341 ACCACCACCG CAATGCTGGC CTGCGCTACC GCTCAATGTT GCTGGGCAAT GGTCGCTATG
 20401 TGCCCTTCCA CATCCAGGTG CCTCAGAAGT TCTTTGCCAT TAAAAACCTC CTTCTCCTGC
 20461 CGGGCTCATA CACCTACGAG TGGAACTTCA GGAAGGATGT TAACATGGTT CTGCAGAGCT
 20521 CCCTAGGAAA TGACCTAAGG GTTGACGGAG CCAGCATTAA GTTTGATAGC ATTTGCTTTT
 20581 ACGCCACCTT CTTCCCATG GCCACAACA CCGCTCCAC GCTTGAGGCC ATGCTTAGAA
 20641 ACGACACCAA CGACAGTCC TTTAACGACT ATCTCTCCGC CGCCAACATG CTCTACCCTA
 20701 TACCCGCCAA CGCTACCAAC GTGCCCATAT CCATCCCTC CCGCAACTGG GCGGCTTTCC
 20761 GCGGCTGGGC CTTACGCGC CTTAAGACTA AGGAAACCCC ATCACTGGGC TCGGGCTACG
 20821 ACCCTTATTA CACCTACTCT GGCTCTATAC CCTACCTAGA TGGAACCTTT TACCTCAACC
 20881 ACACCTTTAA GAAGGTGGCC ATTACCTTTG ACTCTCTGT CAGCTGGCCT GGCAATGACC
 20941 GCCTGCTTAC CCCCACGAG TTTGAAATTA AGCGCTCAGT TGACGGGGAG GGTACAAACG
 21001 TTGCCCAGTG TAACATGACC AAAGACTGGT TCCTGGTACA AATGCTAGCT AACTACAACA
 21061 TTGGCTACCA GGGCTTCTAT ATCCCAGAGA GCTACAAGGA CCGCATGTAC TCCTTCTTTA
 21121 GAAACTTCCA GCCCATGAGC CGTCAGGTGG TGGATGATAC TAAATACAAG GACTACCAAC
 21181 AGGTGGGCAT CCTACACCAA CACAACAAC CTGGATTTGT TGGCTACCTT GCCCCACCA
 21241 TGCGCGAAGG ACAGGCCTAC CCTGCTAACT TCCCCTATCC GCTTATAGGC AAGACCGCAG
 21301 TTGACAGCAT TACCCAGAAA AAGTTTCTTT GCGATCGCAC CTTTGGCGC ATCCATTCT
 21361 CCAGTAACTT TATGTCCATG GGCGCACTCA CAGACCTGGG CCAAAACCTT CTCTACGCCA
 21421 ACTCCGCCCA CGCGCTAGAC ATGACTTTTG AGGTGGATCC CATGGACGAG CCCACCTTC
 21481 TTTATGTTTT GTTTGAAGTC TTTGACGTGG TCCGTGTGCA CCGCCGCAC CGCGCGTCA
 21541 TCGAAACCGT GTACCTGCGC ACGCCTTCT CGGCCGGCAA CGCCACAACA TAAAGAAGCA
 21601 AGCAACATCA ACAACAGCTG CCGCCATGGG CTCCAGTGAG CAGGAAGCTA AAGCCATTGT
 21661 CAAAGACTTT GGTGTGGGC CATATTTTTT GGGCACCTAT GACAAGCGCT TTCCAGGCTT
 21721 TGTCTCTCCA CACAAGCTCG CCTGCGCCAT AGTCAATACG GCCGGTCGCG AGACTGGGGG
 21781 CGTACACTGG ATGGCCTTTG CCTGGAACCC GCACTCAAAA ACATGCTACC TCTTTGAGCC
 21841 CTTTGGCTTT TCTGACCAGC GACTCAAGCA GGTTTACCAG TTTGAGTACG AGTCACTCCT
 21901 GCGCCGTAGC GCCATTGCTT CTTCCCCCGA CCGCTGTATA ACGCTGAAA AGTCCACCCA
 21961 AAGCGTACAG GGGCCCAACT CGGCCGCTG TGGACTATTC TGCTGCATGT TTCTCCACGC
 22021 CTTTGCCAAC TGGCCCCAAA CTCCCATGGA TCACAACCCC ACCATGAACC TTATTACCGG
 22081 GGTACCCAAC TCCATGCTCA ACAGTCCCCA GGTACAGCCC ACCCTGCGTC GCAACCAGGA
 22141 ACAGCTCTAC AGCTTCCTGG AGCGCCACTC GCCCTACTTC CGCAGCCACA GTGCGCAGAT
 22201 TAGGAGCGCC ACTTCTTTTT GTCACTTGAA AAACATGTAA AAATAATGTA CTAGAGACAC
 22261 TTTCAATAAA GGCAAATGCT TTTATTTGTA CACTCTCGGG TGATTATTTA CCCCCACCT
 22321 TGCCGTCTGC GCCGTTTAAA AATCAAAGGG GTTCTGCCGC GCATCGCTAT GCGCCACTGG
 22381 CAGGGACACG TTGCGATACT GGTGTTTAGT GCTCCACTTA AACTCAGGCA CAACCATCCG
 22441 CGGCAGCTCG GTGAAGTTTT CACTCCACAG GCTGCGCACC ATCACCACG CGTTTAGCAG
 22501 GTCGGGCGCC GATATCTTGA AGTCAGACTT GGGGCTCCG CCCTGCGCGC GCGAGTTGCG
 22561 ATACACAGGG TTGCAGCACT GGAACACTAT CAGCGCCGGG TGGTGCACGC TGGCCAGCAC
 22621 GCTCTTGTCT AGATCAGAT CCGCGTCCAG GTCCTCCGCG TTGCTCAGGG CGAACGGAGT
 22681 CAACCTTGGT AGCTGCCTTC CAAAAAGGG CGCGTGCCCA GGCTTTGAGT TGCACTCGCA
 22741 CCGTAGTGGC ATCAAAAGGT GACCGTGCCC GGTCTGGGCG TTAGGATACA GCGCCTGCAT
 22801 AAAAGCCTTG ATCTGCTTAA AAGCCACCTG AGCCTTTGCG CCTTCAGAGA AGAACATGCC
 22861 GCAAGACTTG CCGGAAACT GATTGGCCGG ACAGGCCGCG TTCTTCACGA TCTTGGCCTT
 22921 GTCGGTGTG GAGATCTGCA CCACATTTCT GCCCCACCGG TTCTTCACGA TCTTGGCCTT

FIGURE 23
(SHEET 7)

22981 GCTAGACTGC TCCTTCAGCG CGCGCTGCCC GTTTTCGCTC GTCACATCCA TTTCAATCAC
 23041 GTGCTCCTTA TTTATCATAA TGCTTCCGTG TAGACACTTA AGCTCGCCTT CGATCTCAGC
 23101 GCAGCGGTGC AGCCACAACG CGCAGCCCGT GGGCTCGTGA TGCTTGTTAGG TCACCTCTGC
 23161 AAACGACTGC AGGTACGCCT GCAGGAATCG CCCCATCATC GTCACAAAGG TCTTGTTGCT
 23221 GGTGAAGGTC AGCTGCAACC CGCGGTGCTC CTCGTTTCAGC CAGGTCTTGC ATACGGCCGC
 23281 CAGAGCTTCC ACTTGGTCAG GCAGTAGTTT GAAGTTCGCC TTTAGATCGT TATCCACGTG
 23341 GTACTTGTCC ATCAGCGCGC GCGCAGCCTC CATGCCCTTC TCCCACGCAG ACACGATCGG
 23401 CACACTCAGC GGGTTCATCA CCGTAATTTT ACTTTCCGCT TCGCTGGGCT CTTCTCTTC
 23461 CTCTTGCGTC CGCATACCAC GCGCCACTGG GTCGTCTTCA TTCAGCCGCC GCACTGTGCG
 23521 CTTACCTCCT TTGCCATGCT TGATTAGCAC CGGTGGGTTG CTGAAACCCA CCATTTGTAG
 23581 CGCCACATCT TCTCTTCTT CTTGCTGTC CACGATTACC TCTGGTGATG GCGGGCGCTC
 23641 GGGCTTGGA GAAGGGCGCT TCTTTTCTT CTTGGGCGCA ATGGCCAAAT CCGCGCCGA
 23701 GGTGATGGC CGCGGGCTGG GTGTGCGCG CACCAGCGG TCTTGTTAGT AGTCTTCTC
 23761 GTCCTCGGAC TCGATACGCC GCCTCATCG CTTTCTTGGG GGCGCCCGGG GAGGCGCGG
 23821 CGACGGGAC GGGGACGACA CGTCTCCAT GGTGGGGGA CGTCGCGCG CACCGCGTCC
 23881 GCGCTCGGGG GTGGTTTCGC GCTGCTCCTC TTCCCGACTG GCCATTTCTT TCTCTATAG
 23941 GCAGAAAAAG ATCATGGAGT CAGTCGAGAA GAAGGACAGC CTAACCGCCC CCTCTGAGTT
 24001 CGCCACCACC GCCTCCACCG ATGCCGCCAA CGCGCTTACC ACCTTCCCCG TCGAGGCACC
 24061 CCCGCTTGAG GAGGAGGAAG TGATTATCGA GCAGGACCCA GGTTTTGTA GCGAAGACGA
 24121 CGAGGACCGC TCAGTACCAA CAGAGGATAA AAAGCAAGAC CAGGACAACG CAGAGGCAAA
 24181 CGAGGAACAA GTCGGGCGGG GGGACGAAAG GCATGGCGAC TACCTAGATG TGGGAGACGA
 24241 CGTGCTGTTG AAGCATCTGC AGCGCCAGTG CGCCATTATC TGCGACGCGT TGCAAGAGCG
 24301 CAGCGATGTG CCCCTCGCCA TAGCGGATGT CAGCCTTGCC TACGAACGCC ACCTATTCTC
 24361 ACCGCGCGTA CCCCCAAAC GCCAAGAAAA CGGCACATGC GAGCCCAACC CGCGCCTCAA
 24421 CTTCTACCCC GTATTTGCCG TGCCAGAGGT CTTTGCCACC TATCACATCT TTTTCCAAAA
 24481 CTGCAAGATA CCCCTATCCT GCCGTGCCAA CCGCAGCCGA GCGGACAAGC AGCTGGCCTT
 24541 GCGGCAGGGC GCTGTCATAC CTGATATCGC CTCGCTCAAC GAAGTGCCAA AAATCTTTGA
 24601 GGGTCTTGGA CGCGACGAGA AGCGCGCGGC AAACGCTCTG CAACAGGAAA ACAGCGAAAA
 24661 TGAAAGTCAC TCTGGAGTGT TGGTGGAAC CGAGGGTGAC AACGCGCGCC TAGCCGTACT
 24721 AAAACGCAGC ATCGAGGTCA CCCACTTTGC CTACCCGGCA CTTAACCTAC CCCCCAAGGT
 24781 CATGAGCACA GTCATGAGTG AGCTGATCGT GCGCCGTGCG CAGCCCCCTG AGAGGGATGC
 24841 AAATTTGCAA GAACAAACAG AGGAGGGCCT ACCCGCAGTT GCGGACGAGC AGCTAGCGCG
 24901 CTGGCTTCAA ACGCGCGAGC CTGCCGACTT GGAGGAGCGA CGCAAATAA TGATGGCCGC
 24961 AGTGCTCGTT ACCGTGGAGC TTGAGTGATC GCAGCGGTTT TTTGCTGACC CGGAGATGCA
 25021 GCGCAAGCTA GAGGAAACAT TGCACTACAC CTTTCGACAG GGCTACGTAC CCGAGGCTG
 25081 CAAGATCTCC AACGTGGAGC TCTGCAACCT GGTCTCTAC CTTGGAATTT TGCACGAAAA
 25141 CCGCCTTGGG CAAAACGTGC TTCATTCCAC GCTCAAGGGC GAGGCGCGCC GCGACTACGT
 25201 CCGCGACTGC GTTTACTTAT TTCTATGCTA CACCTGGCAG ACGGCCATGG GCGTTTGGCA
 25261 GCAGTGCTTG GAGGAGTGCA ACCTCAAGGA GCTGCAGAAA CTGCTAAAGC AAAACTTGAA
 25321 GGACCTATGG ACGGCCCTCA ACGAGCGCTC CGTGGCCGCG CACCTGGCGG ACATCATTTT
 25381 CCCCAGACGC CTGCTTAAAA CCCTGCAACA GGGTCTGCCA GACTTCACCA GTCAAAGCAT
 25441 GTTGCAAGAC TTAGGAACT TTATCCTAGA GCGCTCAGGA ATCTTGCCCC CCACCTGCTG
 25501 TGCACTTCTT AGCGACTTTG TGCCCATTA GTACCGCGAA TGCCCTCCGC CGCTTTGGGG
 25561 CCACTGCTAC CTTCTGCAGC TAGCCAACTA CCTTGCTTAC CACTCTGACA TAATGGAAGA
 25621 CGTGAGCGGT GACGGTCTAC TGGAGTGCTA CTGTCGCTGC AACCTATGCA CCCCACCCG
 25681 CTCCCTGGTT TGCAATTGCG AGTGCTTAA CGAAAGTCAA ATTATCGGTA CCTTTGAGCT
 25741 GCAGGGTCCC TCGCCTGACG AAAAGTCCGC GGCTCCGGGG TTGAAACTCA CTCCGGGGCT
 25801 GTGGACGTCG GCTTACCTTC GCAAATTTGT ACCTGAGGAC TACCACGCCC ACGAGATTAG
 25861 GTTCTACGAA GACCAATCCC GCCCGCCAAA TGCGGAGCTT ACCGCCTGCG TCATTACCCA
 25921 GGGCCACATT CTTGGCCAAT TGCAAGCCAT CAACAAAGCC CGCCAAGAGT TTCTGCTACG
 25981 AAAGGGACGG GGGGTTTACT TGGACCCCA GTCCGGCGAG GAGCTCAACC CAATCCCCC
 26041 GCCCGCGCAG CCCTATCAGC AGCAGCCGCG GGCCCTTGCT TCCCAGGATG GCACCCAAAA
 26101 AGAAGCTGCA GCTGCCGCCG CCACCCACGG ACGAGGAGGA ATACTGGGAC AGTCAGGCAG
 26161 AGGAGGTTTT GGACGAGGAG GAGGAGGACA TGATGGAAGA CTGGGAGAGC CTAGACGAGG
 26221 AAGCTTCCGA GGTGCAAGAG GTGTCAGACG AAACACCGTC ACCCTCGGTC GCATTCCCTT
 26281 CGCCGGCGCC CCAGAAATCG GCAACCGGTT CCAGCATGGC TACAACCTCC GCTCCTCAGG
 26341 CGCCGCCGGC ACTGCCCGTT CGCCGACCCA ACCGTAGATG GGACACCACT GGAACCAGGG

FIGURE 23
(SHEET 8)

26401	CCGGTAAGTC	CAAGCAGCCG	CCGCCGTTAG	CCCAAGAGCA	ACAACAGCGC	CAAGGCTACC
26461	GCTCATGGCG	CGGGCACAAG	AACGCCATAG	TTGCTTGCTT	GCAAGACTGT	GGGGGCAACA
26521	TCTCCTTCGC	CCGCCGCTTT	CTTCTCTACC	ATCACGGCGT	GGCCTTCCCC	CGTAACATCC
26581	TGCATTACTA	CCGTCACTCT	TACAGCCCAT	ACTGCACCGG	CGGCAGCGGC	AGCGGCAGCA
26641	ACAGCAGCGG	CCACACAGAA	GCAAAGGCGA	CCGGATAGCA	AGACTCTGAC	AAAGCCCAAG
26701	AAATCCACAG	CGGCGGCAGC	AGCAGGAGGA	GGAGCGCTGC	GTCTGGCGCC	CAACGAACCC
26761	GTATCGACCC	GCGAGCTTAG	AAACAGGATT	TTTCCCACTC	TGTATGCTAT	ATTTCAACAG
26821	AGCAGGGGCC	AAGAACAAGA	GCTGAAAATA	AAAAACAGGT	CTCTGCGATC	CCTCACCCGC
26881	AGCTGCCCTGT	ATCACAAAAG	CGAAGATCAG	CTTCGGCGCA	CGCTGGAAGA	CGCGGAGGCT
26941	CTCTTCAGTA	AATACTGCGC	GCTGACTCTT	AAGGACTAGT	TTGCGGCCCT	TTCTCAAATT
27001	TAAGCGCGAA	AACTACGTCA	TCTCCAGCGG	CCACACCCGG	CGCCAGCACC	TGTCGTCAGC
27061	GCCATTATGA	GCAAGGAAAT	TCCCACGCCC	TACATGTGGA	GTTACCAGCC	ACAAATGGGA
27121	CTTGCGGCTG	GAGCTGCCCA	AGACTACTCA	ACCCGAATAA	ACTACATGAG	CGCGGGACCC
27181	CACATGATAT	CCCGGGTCAA	CGGAATCCGC	GCCCACCGAA	ACCGAATTCT	CTTGGAACAG
27241	GCGGCTATTA	CCACCACACC	TCGTAATAAC	CTTAATCCCC	GTAGTTGGCC	CGCTGCCCTG
27301	GTGTACCAGG	AAAGTCCCGC	TCCCACCACT	GTGGTACTTC	CCAGAGACGC	CCAGGCCGAA
27361	GTTCAGATGA	CTAACTCAGG	GGCGCAGCTT	GCGGGCGGCT	TTGCTCACAG	GGTGC GGTCG
27421	CCCGGGCAGG	GTATAACTCA	CCTGACAATC	AGAGGGCGAG	GTATTAGCT	CAACGACGAG
27481	TCGGTGAGCT	CCTCGCTTGG	TCTCCGTCCG	GACGGGACAT	TTGAGATCGG	CGGCGCCGGC
27541	CGTCCTTCAT	TCACGCCTCG	TCAGGCAATC	CTAACTCTGC	AGACCTCGTC	CTCTGAGCCG
27601	CGCTCTGGAG	GCATTGGAAC	TCTGCAATTT	ATTGAGGAGT	TTGTGCCATC	GGTCTACTTT
27661	AACCCCTTCT	CGGGACCTCC	CGGCCACTAT	CCGGATCAAT	TTATTCTTAA	CTTTGACGCG
27721	GTAAAGGACT	CGGCGGACGG	CTACGACTGA	ATGTTAAGTG	GAGAGGCAGA	GCAACTGCGC
27781	CTGAAACACC	TGGTCCACTG	TCGCCGCCAC	AAGTGCTTTG	CCCGCGACTC	CGGTGAGTTT
27841	TGCTACTTTG	AATTGCCCGA	GGATCATATC	GAGGGCCCGG	CGCACGGCGT	CCGGCTTACC
27901	GCCCAGGGAG	AGCTTGCCCG	TAGCCTGATT	CGGGAGTTTA	CCCAGCGCCC	CCTGCTAGTT
27961	GAGCGGGACA	GGGGACCCTG	TGTTCTCACT	GTGATTTGCA	ACTGTCCTAA	CCTTGGATTA
28021	CATCAAGATC	TTTGTTGCCA	TCTCTGTGCT	GAGTATAATA	AATACAGAAA	TTAAATATA
28081	CTGGGGCTCC	TATCGCCATC	CTGTAAACGC	CACCGTCTTC	ACCCGCCCAA	GCAAACCAAG
28141	GCGAACCTTA	CCTGGTACTT	TTAACATCTC	TCCCTCTGTG	ATTTACAACA	GTTTCAACCC
28201	AGACGGAGTG	AGTCTACGAG	AGAACCTCTC	CGAGCTCAGC	TACTCCATCA	GAAAAAACAC
28261	CACCTCCTT	ACCTGCCGGG	AACGTACGAG	TGCGTCACCG	GCCGCTGCAC	CACACCTACC
28321	GCCTGACCGT	AAACCAGACT	TTTTCCGGAC	AGACCTCAAT	AACCTCTGTT	ACCAGAACAG
28381	GAGGTGAGCT	TAGAAAACCC	TTAGGGTATT	AGGCCAAAGG	CGCAGCTACT	GTGGGGTTTA
28441	TGAACAATTC	AAGCAACTCT	ACGGGCTATT	CTAATTCAGG	TTTCTCTAGA	AGTCAGGCTT
28501	CCTGGATGTC	AGCATCTGAC	TTTGGCCAGC	ACCTGTCCCG	CGGATTTGTT	CCAGTCCAAC
28561	TACAGCGACC	CACCCTAACA	GAGATGACCA	ACACAACCAA	CGCGGCCGCC	GCTACCGGAC
28621	TTACATCTAC	CACAAATACA	CCCCAAGTTT	CTGCCCTTGT	CAATAACTGG	GATAACTTGG
28681	GCATGTGGTG	GTTCTCCATA	GCGCTTATGT	TTGTATGCCT	TATTATTATG	TGGCTCATCT
28741	GCTGCCTAAA	GCGCAAAACGC	GCCCGACCAC	CCATCTATAG	TCCCATCATT	GTGCTACACC
28801	CAAACAATGA	TGGAATCCAT	AGATTGGACG	GACTGAAACA	CATGTTCTTT	TCTCTTACAG
28861	TATGATTAAA	TGAGATCTAG	AAATGGACGG	AATTATTACA	GAGCAGCGCC	TGCTAGAAAG
28921	ACGCAGGGCA	GCGGCCGAGC	AACAGCGCAT	GAATCAAGAG	CTCCAAGACA	TGGTTAACTT
28981	GCACCAGTGC	AAAAGGGGTA	TCTTTTGTCT	GGTAAAGCAG	GCCAAAGTCA	CCTACGACAG
29041	TAATACCACC	GGACACCGCC	TTAGCTACAA	GTGCCAACC	AAGCGTCAGA	AATTGGTGGT
29101	CATGGTGGA	GAAAAGCCCA	TTACCATAAC	TCAGACTCG	GTAGAAACCG	AAGGCTGCAT
29161	TCACTCACCT	TGTCAAGGAC	CTGAGGATCT	CTGCACCGTT	ATTAAGACCC	TGTGCGGTCT
29221	CAAAGATCTT	ATTCCCTTTA	ACTAATAAAA	AAAAATAATA	AAGCATCACT	TACTTAAAT
29281	CAGTTAGCAA	ATTTCTGTCC	AGTTTATTCA	GCAGCACCTC	CTTGCCCTCC	TCCCAGTCTT
29341	GGTATTGCAG	CTTCTCCTG	GCTGCAAACT	TTCTCCACAA	TCTAAATGGA	ATGTCAGTTT
29401	CCTCGTGTT	CTGTCCATCC	GCACCCACTA	TCTTCATGTT	GTTGCAGATG	AAGCGCGCAA
29461	GACCGTCTGA	AGATACTTTC	AACCCCGTGT	ATCCATATGA	CACGGAAACC	GGTCTCCAA
29521	CTGTGCCCTT	TCTTACTCCT	CCCTTTGTAT	CCCCCAATGG	GTTTCAAGAG	AGTCCCCCTG
29581	GGGTACTCTC	TTTGCGCCTA	TCCGAACCTC	TAGTTACCTC	CAATGGCATG	CTTGCGCTCA
29641	AAATGGGCAA	CGGCTCTCT	CTGGACGAGG	CCGGCAACCT	TACCTCCCAA	AATGTAACCA
29701	CTGTGAGCCC	ACCTCTCAAA	AAAACCAAGT	CAAACATAAA	CCTGGAAATA	TCTGCACCCC
29761	TCACAGTTAC	CTCAGAAGCC	CTAACTGTGG	CTGCCGCCGC	ACCTCTAATG	GTGCGGGGCA

FIGURE 23
(SHEET 9)

29821 ACACACTCAC CATGCAATCA CAGGCCCCGC TAACCGTGCA CGACTCCAAA CTTAGCATTG
 29881 CCACCCAAGG ACCCCTCACA GTGTGAGAAG GAAAGCTAGC CCTGCAAACA TCAGGCCCCC
 29941 TCACCACCAC CGATAGCAGT ACCCTTACTA TCACTGCCTC ACCCCCTCTA ACTACTGCCA
 30001 CTGGTAGCTT GGGCATTGAC TTGAAAGAGC CCATTTATAC ACAAATGGA AACTAGGAC
 30061 TAAAGTACGG GGCTCCTTTG CATGTAACAG ACGACCTAAA CACTTTGACC GTAGCAACTG
 30121 GTCCAGGTGT GACTATTAAT AATACTTCCT TGCAAATAA AGTTACTGGA GCCTTGGGTT
 30181 TTGATTCACA AGGCAATATG CAACTTAATG TAGCAGGAGG ACTAAGGATT GATTCTCAAA
 30241 ACAGACGCCT TATACTTGAT GTTAGTTATC CGTTTGATGC TCAAAACCAA CTAAATCTAA
 30301 GACTAGGACA GGGCCCTCTT TTTATAAAT CAGCCCACAA CTTGGATATT AACTACAACA
 30361 AAGGCCTTTA CTTGTTTACA GCTTCAAACA ATTCCAAAAA GCTTGAGGTT AACCTAAGCA
 30421 CTGCCAAGGG GTTGATGTTT GACGCTACAG CCATAGCCAT TAATGCAGGA GATGGGCTTG
 30481 AATTTGGTTT ACCTAATGCA CCAAACACAA ATCCCCTCAA AACAAAAATT GGCCATGGCC
 30541 TAGAATTTGA TTCAAACAAG GCTATGGTTC CTAAACTAGG AACTGGCCTT AGTTTTGACA
 30601 GCACAGGTGC CATTACAGTA GGAAACAAAA ATAATGATAA GCTAACTTTG TGGACCACAC
 30661 CAGCTCCATC TCCTAACTGT AGACTAAATG CAGAGAAAGA TGCTAAACTC ACTTTGGTCT
 30721 TAACAAAATG TGGCAGTCAA ATACTTGCTA CAGTTTCAGT TTTGGGTGTT AAAGGCAGTT
 30781 TGGCTCCAAT ATCTGGAACA GTTCAAAGTG CTCATCTTAT TATAAGATTT GACGAAAATG
 30841 GAGTGCTACT AAACAATTCC TTCCTGGACC CAGAATATTG GAACTTTAGA AATGGAGATC
 30901 TTAAGTGAAG CACAGCCTAT ACAAACGCTG TTGGATTAT GCCTAACCTA TCAGCTTATC
 30961 CAAAATCTCA CGGTAAACT GCCAAAAGTA ACATTGTCAG TCAAGTTTAC TTAAACGGAG
 31021 ACAAATACTA ACCTGTAAAC CTAACCATTA CACTAAACGG TACACAGGAA ACAGGAGACA
 31081 CAACTCCAAG TGCATACTCT ATGTCAATTT CATGGGACTG GTCTGGCCAC AACTACATTA
 31141 ATGAAATATT TGCCACATCC TCTTACACTT TTTCATACAT TGCCCAAGAA TAAAGAATCG
 31201 TTGTGTTTAT GTTTCAACGT GTTTATTTTT CAATTGCAGA AAATTTCAAG TCATTTTTCA
 31261 TTCAGTAGTA TAGCCCCACC ACCACATAGC TTATACAGAT CACCGTACCT TAATCAAAT
 31321 CACAGAACCC TAGTATTCAA CCTGCCACCT CCCTCCCAAC ACACAGAGTA CACAGTCCTT
 31381 TCTCCCCGGC TGGCCTTAAA AAGCATCATA TCATGGGTAA CAGACATATT CTTAGGTGTT
 31441 ATATTCCACA CGGTTTCCTG TCGAGCCAAA CGCTCATCAG TGATATTAAT AAATCCCCG
 31501 GGCAGCTCAC TTAAGTTCAT GTCGCTGTCC AGCTGCTGAG CCACAGGCTG CTGTCCAAT
 31561 TGCGGTTGCT TAACGGGGCG CGAAGGAGAA GTCCACGCCT ACATGGGGT AGAGTCATAA
 31621 TCGTGCATCA GGATAGGGCG GTGGTGTCTG ACACATGGCA AGCAGCGCGC GAATAAACTG CTGCCGCCGC
 31681 CGCTCCGTCC TGCAGGAATA CAACATGGCA GTGGTCTCCT CAGCGATGAT TCGCACCGCC
 31741 CGCAGCATAA GGCGCCTTGT CCTCCGGGCA CAGCAGCGCA CCCTGATCTC ACTTAAATCA
 31801 GCACAGTAAC TGCAGCACAG CACCACAATA TTGTTCAAAA TCCCACAGTG CAAGGCGCTG
 31861 TATCCAAAGC TCATGGCGGG GACCACAGAA CCCACGTGGC CATCATACCA CAAGCGCAGG
 31921 TAGATTAAGT GCGGACCCCT CATAAACACG CTGGACATAA ACATTACCTC TTTTGGCATG
 31981 TTGTAATTCA CCACCTCCCG GTACCATATA AACCTCTGAT TAAACATGGC GCCATCCACC
 32041 ACCATCCTAA ACCAGCTGGC CAAAACCTGC CCGCCGGCTA TACACTGCAG GGAACCGGGA
 32101 CTGGAACAAT GACAGTGGAG AGCCCAGGAC TCGTAACCAT GGATCATCAT TCTCGTCATG
 32161 ATATCAATGT TGGCACAACA CAGGCACACG TGCATACACT TCCTCAGGAT TCAAGCTCC
 32221 TCCCGCGTTA GAACCATATC CCAGGGAACA ACCCATTCCT GAATCAGCGT AAATCCCACA
 32281 CTGCAGGGAA GACCTCGCAC GTAACCTACG TTGTGCATTG TCAAAGTGTT ACATTCGGGC
 32341 AGCAGCGGAT GATCCTCCAG TATGGTAGCG CGGGTTTCTG TCTCAAAGG AGGTAGACGA
 32401 TCCCTACTGT ACGGAGTGGC CCGAGACAAC CGAGATCGTG TTGGTCGTAG TGTCATGCCA
 32461 AATGGAACGC CGGACGTAGT CATATTTCTT GAAGCAAAAC CAGGTGCGGG CGTGACAAAC
 32521 AGATCTGCGT CTCCGGTCTC GCCGCTTAGA TCGCTCTGTG TAGTAGTTGT AGTATATCCA
 32581 CTCTCTCAAA GCATCCAGGC GCCCCCTGGC TTCGGGTTCT ATGTAAACTC CTTTATGCGC
 32641 CGCTGCCCTG ATAACATCCA CCACCGCAGA ATAAGCCACA CCCAGCCAAC CTACACATTC
 32701 GTTCTGCGAG TCACACACGG GAGGAGCGGG AAGAGCTGGA AGAACCATGT TTTTTTTTTT
 32761 ATTCCAAAAG ATTATCCAAA ACCTCAAAAT GAAGATCTAT TAAGTGAACG CGTCCCCCTC
 32821 CGGTGGCGTG GTCAAATCT ACAGCCAAAG AACAGATAAT GGCATTTGTA AGATGTTGCA
 32881 CAATGGCTTC CAAAAGGCAA ACGGCCCTCA CGTCCAAGTG GACGTAAAGG CTAAACCCTT
 32941 CAGGGTGAAT CTCCTCTATA AACATTCCAG CACCTTCAAC CATGCCAAA TAATTCTCAT
 33001 CTCGCCACCT TCTCAATATA TCTCTAAGCA AATCCCGAAT ATTAAGTCCG GCCATGTGTA
 33061 AAATCTGCTC CAGAGCGCCC TCCACCTTCA GCCTCAAGCA GCGAATCATG ATTGCAAAAA
 33121 TTCAGGTTC TCACAGACCT GTATAAGATT CAAAAGCGGA ACATTAACAA AAATACCGCG
 33181 ATCCCGTAGG TCCCTTCGCA GGGCCAGCTG AACATAATCG TGCAGGTCTG CACGGACCAG

FIGURE 23
(SHEET 10)

33241	CGCGGCCACT	TCCCCGCCAG	GAACCTTGAC	AAAAGAACCC	ACACTGATTA	TGACACGCAT
33301	ACTCGGAGCT	ATGCTAACCA	GCGTAGCCCC	GATGTAAGCT	TTGTTGCATG	GGCGGCGATA
33361	TAAAATGCAA	GGTGCTGCTC	AAAAAATCAG	GCAAAGCCTC	GCGCAAAAAA	GAAAGCACAT
33421	CGTAGTCATG	CTCATGCAGA	TAAAGGCAGG	TAAGCTCCGG	AACCACCACA	GAAAAAGACA
33481	CCATTTTCT	CTCAAACATG	TCTGCGGGTT	TCTGCATAAA	CACAAAATAA	AATAACAAAA
33541	AAACATTTAA	ACATTAGAAG	CCTGTCTTAC	AACAGGAAAA	ACAACCCTTA	TAAGCATAAG
33601	ACGGACTION	GCCATGCCGG	CGTGACCGTA	AAAAAACTGG	TCACCGTGAT	TAAAAAGCAC
33661	CACCGACAGC	TCCTCGGTCA	TGTCCGGAGT	CATAATGTAA	GACTIONTAA	ACACATCAGG
33721	TTGATTTCATC	GGTCAGTGCT	AAAAAGCGAC	CGAAATAGCC	CGGGGGAATA	CATACCCGCA
33781	GGCGTAGAGA	CAACATTACA	GCCCCCATAG	GAGGTATAAC	AAAATTAATA	GGAGAGAAAA
33841	ACACATAAAC	ACCTGAAAAA	CCCTCCTGCC	TAGGCAAAAT	AGCACCCCTCC	CGCTCCAGAA
33901	CAACATACAG	CGCTTCACAG	CGGCAGCCTA	ACAGTCAGCC	TTACCAGTAA	AAAAGAAAAAC
33961	CTATTAAAAA	AACACCACTC	GACACGGCAC	CAGCTCAATC	AGTCACAGTG	TAAAAAAGGG
34021	CCAAGTGCA	AGCGAGTATA	TATAGGACTA	AAAAATGACG	TAACGGTTAA	AGTCCACAAA
34081	AAACACCCAG	AAAACCGCAC	GCGAACCTAC	GCCCAGAAAC	GAAAGCCAAA	AAACCCACAA
34141	CTTCCTCAAA	TCGTCACTTC	CGTTTTCCCA	CGTTACGTAA	CTTCCCATT	TAAGAAAACT
34201	ACAATTCCCA	ACACATACAA	GTTACTCCGC	CCTAAAACCT	ACGTCACCCG	CCCCGTTCCC
34261	ACGCCCCGCG	CCACGTCACA	AACTCCACCC	CCTCATTATC	ATATTGGCTT	CAATCCAAAA
34321	TAAGGTATAT	TATTGATGAT	G			

FIGURE 23
(SHEET 11)